Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To: ConocoPhillips Company – San Francisco Refinery Facility #A0016

> Facility Address: 1380 San Pablo Avenue Rodeo, CA 94572

> Mailing Address: 1380 San Pablo Avenue Rodeo, CA 94572

Responsible Official Rand Swenson, Refinery Manager 510 245 4415 **Facility Contact** Jennifer Ahlskog, Environmental Specialist 510 245 4439

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

BAAQMD Engineering Division Contact: Sanjeev Kamboj

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

TABLE OF CONTENTS

I.	STANDARD CONDITIONS	. 3
II.	EQUIPMENT	. 8
III.	GENERALLY APPLICABLE REQUIREMENTS2	26
IV.	SOURCE-SPECIFIC APPLICABLE REQUIREMENTS	29
V.	SCHEDULE OF COMPLIANCE	20
VI.	PERMIT CONDITIONS	23
VII.	APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS	59
VIII	TEST METHODS	6
IX.	PERMIT SHIELD	24
X.	REVISION HISTORY	26
XI.	GLOSSARY	28

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations: **BAAQMD** Regulation 1 - General Provisions and Definitions (as amended by the District Board on 7/17/06); SIP Regulation 1 - General Provisions and Definitions (as approved by EPA on 6/28/99); BAAQMD Regulation 2, Rule 1 - Permits, General Requirements (as amended by the District Board on 7/19/06); SIP Regulation 2, Rule 1 - Permits, General Requirements (as approved by EPA on 1/26/99); BAAOMD Regulation 2, Rule 2 - Permits, New Source Review (as amended by the District Board on 6/15/05); SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration (as approved by EPA on 1/26/99); BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking (as amended by the District Board on 12/21/04); SIP Regulation 2, Rule 4 - Permits, Emissions Banking (as approved by EPA on 1/26/99); and BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review (as amended by the District Board on 4/16/03).

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

- This Major Facility Review Permit was issued on December 1, 2003, and expires on November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 31, 2008 and no earlier than November 30, 2007. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after November 30, 2008. If the permit renewal has not been issued by November 30, 2008, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
- 2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
- 3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance

with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

- 4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
- 5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
- 8. Any records required maintained pursuant to this permit, which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
- 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B Public Information, Confidentiality of Business Information. (40 CFR Part 2)
- 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
- 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)
- 12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

F. Monitoring Reports

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

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

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

G. Compliance Certification

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

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. [Reserved]

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

3. [Reserved]

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

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

- 5. Deleted Application 12433.
- 6. Deleted Application 12433.
- 7. Deleted Application 12433.
- 8. Deleted Application 12433.

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. EQUIPMENT

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity	
	U229, B-301 Heater	Petro-Chem	process	22 MMbtu/hr	
2	(natural gas, refinery fuel gas)		heater		
	U230, B-201 Heater	Petro-Chem	process	62 MMbtu/hr	
	(natural gas, refinery fuel gas,		heater		
3	naphtha)				
	U231, B-101 Heater	Protoco Protoc		96 MMbtu/hr	
4	(natural gas, refinery fuel gas)	*			
	U231, B-102 Heater	Braun	process	104 MMbtu/hr	
5	(natural gas, refinery fuel gas)		heater		
	U231, B-103 Heater	Petro-Chem	process	64 MMbtu/hr	
	(natural gas, refinery fuel gas,		heater		
7	naphtha)				
	U240, B-1 Boiler	Combustion	process	256 MMbtu/hr	
8	(natural gas, refinery fuel gas)	Engineering	heater		
	U240, B-2 Boiler	Born	process	61 MMbtu/hr	
9	(natural gas, refinery fuel gas)		heater		
	U240, B-101 Heater	Foster-Wheeler	process	223 MMbtu/hr	
10	(natural gas, refinery fuel gas)		heater		
	U240, B-201 Heater	Econo-Therm	process	108 MMbtu/hr	
11	(natural gas, refinery fuel gas)		heater		
	U240, B-202 Heater	Econo-Therm	process	42 MMbtu/hr	
12	(natural gas, refinery fuel gas)		heater		
	U240, B-301 Heater	Born	process	194 MMbtu/hr	
13	(natural gas, refinery fuel gas)		heater		
	U240, B-401 Heater	Selas	process	556 MMbtu/hr	
14	(natural gas, refinery fuel gas)		heater		
	U244, B-501 Heater	Alcorn	process	239.75 MMbtu/hr total	
15	(natural gas, refinery fuel gas)		heater	for S15 through S19	
	U244, B-502 Heater	Alcorn	process	239.75 MMbtu/hr total	
16	(natural gas, refinery fuel gas)		heater	for S15 through S19	
	U244, B-503 Heater	Alcorn	process	239.75 MMbtu/hr total	
17	(natural gas, refinery fuel gas)		heater	for S15 through S19	
	U244, B-504 Heater	Alcorn	process	239.75 MMbtu/hr total	
18	(natural gas, refinery fuel gas)		heater	for S15 through S19	
	U244, B-505 Heater	Alcorn	process	239.75 MMbtu/hr total	
19	(natural gas, refinery fuel gas)			for S15 through S19	
			process	23 MMbtu/hr	
20	(natural gas, refinery fuel gas)				
	U244, B-507 Heater	Econo-Therm	process	8.1 MMbtu/hr	
21	(natural gas, refinery fuel gas)		heater		
	U248, B-606 Heater	Econo-Therm	process	31 MMbtu/hr	
22	(natural gas, refinery fuel gas)		heater		

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
	U200, B-5 Heater	Foster-Wheeler	process	103 MMbtu/hr
29	(natural gas, refinery fuel gas)		heater	
	U200, B-101 Heater	Petro-Chem	process	50 MMbtu/hr
30	(natural gas, refinery fuel gas)		heater	
	U200, B-501 Heater	Petro-Chem	process	20 MMbtu/hr
31	(natural gas, refinery fuel gas)		heater	
	U200, B-102 Heater	NA	process	82.1 MMbtu/hr
36	(natural gas, refinery fuel gas)		heater	
	U200, B-202 Heater		process	230 MMbtu/hr
43	(natural gas, refinery fuel gas)		heater	
	U200, B-201 PCT Reboil		process	46 MMbtu/hr
	Furnace		heater	
44	(natural gas, refinery fuel gas)			
	Diesel Engine (turbine S352	Allis-Chalmers	6138, 435	<100 hr/yr operation
50	startup)		hp	
	Diesel Engine (turbine S353	Allis-Chalmers	6138, 435	<100 hr/yr operation
51	startup)		hp	
	Diesel Engine (turbine S354	Allis-Chalmers	6138, 435	<100 hr/yr operation
52	startup)		hp	
		Cummins	6B-5.9, 97	<100 hr/yr operation
	SPP Emergency Generator G-27		hp	(excluding emergency
53	(diesel fuel)			use)
		Waukesha Scania	F647DSUF	<100 hr/yr operation
	Pump Station 3 CP-198		, 258 hp	(excluding emergency
54	Emergency Engine (diesel fuel)			use)
		Waukesha Scania	F647DSUF	<100 hr/yr operation
	Pump Station 3 CP-199		, 258 hp	(excluding emergency
55	Emergency Engine (diesel fuel)			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201A		hp	(excluding emergency
56	Emergency Engine (diesel fuel)			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201B		hp	(excluding emergency
57	Emergency Engine (diesel fuel)			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422A		hp	(excluding emergency
58	Emergency Engine (diesel fuel)			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422B		hp	(excluding emergency
59	Emergency Engine (diesel fuel)			use)
97	Tank 100	external floating roof	crude oil	298 thousand bbl
100	Tank 103	external floating roof	ship ballast	47 thousand bbl
I .	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
101	T-104			

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
102	Storm Water Equalization Tank T-105	external floating roof	stormwater	5.5 million gal
106	Storm Water Equalization Tank T-130	external floating roof	stormwater	10.6 million gal
107	Tank 150	external floating roof	crude oil	68 thousand bbl
		external floating roof	crude oil,	4.2 million gal
110	Tank 155		gas oil, distillate oil	
111	Tank 156	external floating roof	crude oil	100 thousand bbl
112	Tank 157	external floating roof	crude oil	100 thousand bbl
113	Tank 158	external floating roof	crude oil	101 thousand bbl
114	Tank 159	external floating roof	crude oil	136 thousand bbl
115	Tank 160	external floating roof	naphtha	75 thousand bbl
117	Tank 162	external floating roof	naphtha	5,300 gal
118	Tank 163	fixed roof	lube oil	5,300 gal
121	Tank 166	external floating roof	gasoline	18,500 gal
122	Tank 167	external floating roof	naphtha	3.1 million gal
123	Tank 168	external floating roof	naphtha	75 thousand bbl
124	Tank 169	external floating roof	naphtha	75 thousand bbl
125	Tank 170	external floating roof	naphtha	75 thousand bbl
126	Tank 172	internal floating roof tank with dome roof	naphtha, MTBE	75 thousand bbl
-		external floating roof	crude oil,	76 thousand bbl
128	Tank 174	C	naphtha	
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
135	Tank 202	Fixed roof	Petroleum liquids to 11 psia	88 thousand bbl
137	Tank 202 Tank 204 (also oil-water	Fixed roof	Sour water,	01 th array d hhl
139	separator)		distillate oil	81 thousand bbl
	Tank 205 (also oil-water	Fixed roof	Sour water,	54 thousand bbl
140	separator)		naphtha	
150	Tank 241	external floating roof	gasoline	79 thousand bbl
151	Tank 242	external floating roof gasoline 75 thousand bbl		
177	Tank 287			104 thousand bbl
178	Tank 288			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

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
186	Tank 298	external floating roof	naphtha	47 thousand bbl
193	Tank 305	fixed roof	dye	2,000 gal
194	Tank 306	fixed roof	dye	2,000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2,500 bbl
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2,500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
238	Used Caustic Tank T-211	fixed-roof	caustic waste	10,000 bbl
239	Stripped Foul Water Tank T- 212	fixed-roof	sour water	10,000 bbl
254	Tank 1001	external floating roof	gasoline	104 thousand bbl
255	Tank 1002	external floating roof	gasoline	104 thousand bbl
256	Tank 1003	external floating roof	gasoline	104 thousand bbl
257	Tank 1004	internal floating roof tank with dome roof	gasoline	104 thousand bbl
258	Tank 1005	internal floating roof tank with dome roof	gasoline	104 thousand bbl
259	Tank 1006	external floating roof	gasoline	104 thousand bbl
261	Tank 1010	external floating roof	naphtha, distillate oil	104 thousand bbl
294	Non-Retail Gasoline Dispensing Facility (GDF 7609 – 1 nozzle)	phase I / II vapor recovery	EW A4000	15,000 gal underground tank
296	C-1 Flare (main refinery flare, elevated, steam-assisted, serves S304, S305, S306)	Callidus		845 ton/hr gas handling capacity, 6.6 MMbtu/hr pilot
300	U200 Delayed Coker	delayed coker	NA	81,000 bbl/day
301	Molten Sulfur Pit 234	NA	NA	271 long ton/day for S301, S302, S303
302	Molten Sulfur Pit 236	NA	NA	271 long ton/day for S301, S302, S303
303	Molten Sulfur Pit 238	NA	NA	271 long ton/day for S301, S302, S303
304	Light Naphtha Hydrotreater	NA	NA	12,198 bbl/day
305	U230 Prefractionator/Naphtha Hydrotreater	NA	NA	28,000 bbl/day
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit			42,000 bbl/day
308	U244 Reforming Unit	NA NA		16,087 bbl/day
309	U248 UNISAR Unit	NA	NA	16,740 bbl/day
318	U76 Gasoline/Mid Barrel Blending Unit	NA	NA	113,150 bbl/day petroleum fluids except diesel, No daily limit for diesel

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
	U215 Gasoline Fractionating	NA	NA	9,600 bbl/day
319	Unit			
		NA	NA	throughput limited at
				specific tanks, process
322	U40 Raw Materials Receiving			units
		NA	NA	7,500 gpm during media
	U100 API Oil Wastewater			filter backwash and 7,000
224	Separator (with outlet channel			gpm during all other
324	cover)			times
334	Tank 107	external floating roof	crude oil	180 thousand bbl
226	U231 B-104 Heater	Foster-Wheeler	process	111 MMbtu/hr
336	(natural gas, refinery fuel gas)	F (1171 1	heater	
227	U231 B-105 Heater	Foster-Wheeler	process	34 MMbtu/hr
337	(natural gas, refinery fuel gas)		heater	
338	U233 Fuel Gas Center	1. 1		7.5 E 6 cubic feet/hr
339	U80 Refined Oil Shipping Unit	gasoline shipping	1 1	294 thousand gal/hr
340	Tank 108	external floating roof	crude oil	200 thousand bbl
341	Tank 208	external floating roof	gasoline	103 thousand bbl
342	Tank 209	external floating roof	gasoline	103 thousand bbl
343	Tank 210	external floating roof	gasoline	103 thousand bbl
250	LI2(7 Cr. 1. Distillation Linit	atmospheric/vacuum		36,000 bbl/day
350	U267 Crude Distillation Unit U267 B-601/602 Tower Pre-	towers		95 MMbtu/hr
	heaters			93 MINIDIU/III
351	(natural gas, refinery fuel gas)			
551	Combustion Turbine	Westinghouse	191	291 MMbtu/hr
352	(natural gas, refinery fuel gas)	westinghouse	191	continuously
552	Combustion Turbine	Westinghouse	191	291 MMbtu/hr
353	(natural gas, refinery fuel gas)	westinghouse	171	continuously
555	Combustion Turbine	Westinghouse	191	291 MMbtu/hr
354	(natural gas, refinery fuel gas)	,, estilighteuse		continuously
	Supplemental Firing Duct	Coen		175 MMbtu/hr
	Burners			
355	(natural gas, refinery fuel gas)			
	Supplemental Firing Duct	Coen		175 MMbtu/hr
	Burners			
356	(natural gas, refinery fuel gas)			
	Supplemental Firing Duct	Coen		175 MMbtu/hr
	Burners			
357	(natural gas, refinery fuel gas)			
360	Mid-Barrel Tank 223	fixed roof	distillate oil	110 thousand bbl
370	U228 Isomerization Unit			460 bbl/hr
	U228 B-520 (Adsorber Feed)	Selas		58 MMbtu/hr for S371,
	Furnace			372
371	(natural gas, refinery fuel gas)			

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
	U228 B-521 (Hydrogen Plant)	Selas		58 MMbtu/hr for S371,
	Furnace			372
372	(natural gas, refinery fuel gas)			
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
	PAC Regeneration Sludge		25 ft dia	44,000 gal
386	Thickener (F-211)			,
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
	Water Treatment Sludge Tanks	30 ft dia by 24 ft		3,500 bbl
388	(T276, F205)	12 ft dia by 24 ft		
389	Diatomaceous earth silo (F-214)			40,000 lb
	F-106 Thickened Sludge	15 ft diameter open tank		38,000 gal
390	Storage	· · · · · · · · · · · · · · · · · · ·		, 8-
	Regenerated PAC Slurry	fixed roof		42,000 gal
392	Storage Tank F-266			, C
	MP-30 Flare (backup refinery	John Zink	Q5-48C	845 ton/hr gas handling
398	flare, elevated, steam-assisted,		-	capacity, 3.1 MMbtu/hr
	serves S304, S305, S306)			pilot
	Wet Weather Wastewater Sump	32 ft x 36 ft x 23 ft deep		175 thousand gal
400	(with vented cover)	_		
	Dry Weather Wastewater Sump	33 ft x 25 ft x 26 ft deep		150 thousand gal
401	(with vented cover)			
		2 permitted arms		Products: 25,000 bbl/day
				annual average for S425,
				S426 total;
				Crude oil: 30,000 bbl/day
				annual average for S425,
425	Marine Loading Berth M1			S426 total
		4 permitted arms		Products: 25,000 bbl/day
				annual average for S425,
				S426 total;
				Crude oil: 30,000 bbl/day annual average for S425,
426	Marine Loading Berth M2			S426 total
426	U215 Deisobutanizer			7,600 bbl/day
432	MOSC Storage Tank	fixed roof		30,000 gal
		11700 1001		
435	Reformate Splitter Deisopentanizer			18,100 bbl/day
436	Deisopentanizer			13,400 bbl/day

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
437	Hydrogen Manufacturing Unit			28.5 million scf/day
	U110, H-1 (H2 Plant	John Zinc PFFG burners	reforming	250 MMbtu/hr
	Reforming) Furnace		furnace	
120	(natural gas, refinery fuel gas,			
438	PSA offgas)		1:	1 (1 (1) 1111
420	T1- 100	external floating roof	gasoline,	161 thousand bbl
439 440	Tank 109 Tank 110 (Alkylate)	external floating roof	others alkylate	161 thousand hhl
440	Talik 110 (Alkylate)	external floating roof		161 thousand bbl 161 thousand bbl
442	Tank 112	external floating foot	gasoline, others	101 thousand bbi
442		external floating roof	gasoline,	113 thousand bbl
444	Tank 243	external floating foor	others	115 tilousailu ool
445	Tank 271 (Cracked Naphtha)			189 thousand bbl
446	Tank 310 (Isopentane)	fixed roof	isopentane	41 thousand bbl
447	Tank 311 (Isopentane)	fixed roof	isopentane	41 thousand bbl
,	Tank 1007 (Blendstock	internal floating roof	gasoline,	243 thousand bbl
448	Receiving)	internal floating foor	others	
449	Tank 285 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl
			ground-	3 gpm continuously
	Groundwater Extraction		water	
450	Trenches		remediation	
		external floating roof	naphtha,	81 thousand bbl
			gasoline,	
451	Tank 695		others	
453	U236 Cooling Tower	Induced draft	Unknown	13,500 gpm
455	U240 Cooling Tower	Induced draft	Unknown	30,000 gpm
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day
	U250, B-701 Heater	NA	process	50.2 MMbtu/hr
461	(natural gas, refinery fuel gas)		heater	
1.00	U215 Fuel Gas Caustic	NA	NA	4.2 million scf/day of fuel
462	Treatment System	NT A	NT A	gas
463	U215 Butane Caustic Treatment	NA	NA	1,000 bbl/day of butane
403	System Sulfur Plant Unit 234 (including		Claus	271 long ton/day for
1001	aux. burner)		Claus	S1001, S1002 and S1003
1001	Sulfur Plant Unit 236 (including		Claus	271 long ton/day for
1002	aux. burner, water stripper)		Ciuus	S1001, S1002 and S1003
	Sulfur Plant Unit 238 (including		Claus	271 long ton/day for
1003	aux. burner)			S1001, S1002 and S1003
				7,500 gpm during media
				filter backwash and 7,000
	U100 Dissolved Air Flotation			gpm during all other
1007	Unit (with fixed roof)			times
	U100 Primary Stormwater			2.3 MMgal
1008	Basin			

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
1009	U100 Main Stormwater Basin			7.2 MMgal

		Source(s)	Applicable	Operating	Limit or
A#	Description	Controlled	Requirement	Parameters	Efficiency
1	Sulfur Plant Tail-Gas	S1001	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
1	Sulfur Plant Tail-Gas	S1001	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
2	Sulfur Plant Tail-Gas	S1002	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
2	Sulfur Plant Tail-Gas	S1002	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4

		Source(s)	Applicable	Operating	Limit or
A#	Description	Controlled	Requirement	Parameters	Efficiency
3	Sulfur Plant Tail-Gas	S1003	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
3	Sulfur Plant Tail-Gas	S1003	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
4	SCR System	S43	BAAQMD	NOx, O2 CEMs	40 ppmv NOx
			Condition		at 3% O2 (over
			1694		8-hr period)
					except at
					startup and
					shutdown
4	SCR System	S43	BAAQMD	none	50 ppmv CO at
			Condition		3% O2
			1694		(monthly
					average)
					except at
					startup and
					shutdown
6	SCR System	S351	BAAQMD	NOx, O2 CEMs	20 ppmv NOx
			Condition		at 3% O2 (over
			1694		3-hr period)
					except at
					startup and
					shutdown

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A#	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System (3	Tanks	BAAQMD	none	nuisance odors
	electrically driven	S135,	7-301, 7-302,		
	compressors)	S137.	7-303		
		S139,			
		S140,			
		S182,			
		S388,			
		S433,			
		S445,			
		S446,			
		S447			
7	Vapor Recovery System (3	S135,	BAAQMD	None	95% overall
	electrically driven	S137,	8-5-306		control of
	compressors)	S139,			emissions
		S140, S182			
7	Vapor Recovery System (3	S449	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		11219		fuel gas system
7	Vapor Recovery System (3	S433	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		7353		fuel gas system
7	Vapor Recovery System (3	S445	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12130		fuel gas system
7	Vapor Recovery System (3	S446	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12131		fuel gas system
7	Vapor Recovery System (3	S447	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12132		fuel gas system
7	Vapor Recovery System (3	S182	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		13184		fuel gas system

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
8	Stretford Evaporative Cooler	S301	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
8	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dsc
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
9	Stretford Evaporative Cooler	S302	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is remove
			9-1-313.2		and recovered
					on a refinery-
					wide basis
9	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dsc
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
10	Stretford Evaporative Cooler	S303	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is remove
			9-1-313.2		and recovered
					on a refinery-
					wide basis

		Source(s)	Applicable	Operating	Limit or
A#	Description	Controlled	Requirement	Parameters	Efficiency
10	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
13	SCR System	S352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S355	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					S357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
13	SCR System	S352,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S355	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-S357
13	SCR System	S352	BAAQMD	NOx, CO, and O2	9 ppmv NOx a
			9-9-301	(or CO2) CEM	15% O2
14	SCR System	S353,	BAAQMD	NOx CEM	66 lb/hr NOx
		S356	Condition		(3 hr average)
			12122, Part 9a		167 ton/yr
					NOx at S352-
					S357; 528
					lb/day NOx
					per
					turbine/duct
					burner set

		Source(s)	Applicable	Operating	Limit or
A#	Description	Controlled	Requirement	Parameters	Efficiency
14	SCR System	S353,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S356	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-S357
14	SCR System	S353	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301	CO2 CEM	15% O2
15	SCR System	S354,	BAAQMD	NOx CEM	66 lb/hr NOx
		S357	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					\$357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
15	SCR System	S354,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S357	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-S357
15	SCR System	S354	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301	(or CO2) CEM	15% O2
16	SCR System	S371	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
16	SCR System	S371	BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)
17	SCR System	S372	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)

 Table II B – Abatement Devices

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

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A#	Description	Controlled	Requirement	Parameters	Efficiency
50	Hydrogen Plant Vent	S307	BAAQMD	None	15 lb/day POC
	Scrubber		8-2-301		from emission
					streams with
					more than 300
					ppm total
					carbon
113	SCR System	S13	BAAQMD	NOx, O2 CEM	0.033 lb
			9-10-301		NOx/MMbtu
					refinery-wide
					limit
420	Marine Terminal Thermal	S425	BAAQMD	Temperature:	2 pounds POC
	Oxidizer	S426	8-44-304,	> 1300 F. for first 15	per 1,000 bbl
	(30 MMbtu/hr)		SIP	minutes;	loaded OR at
			8-44-301	< 1400 F. for rest of	least 95% by
				loading event	weight
					reduction of
					POC emissions
420	Marine Terminal Thermal	S425	40 CFR	H2S concentration	fuel gas H2S
	Oxidizer	S426	60.104(a)(1)		concentration
					limited to 230
					mg/dscm (0.10
					gr/dscf)
			NSPS 40 CFR	None	None
			60 Subpart A	Trone	ivone
420	Marine Terminal Thermal	S425	BAAQMD	Temperature:	At least 98.5%
120	Oxidizer	S 125 S426	Condition	> 1300 F. for first 15	by weight
		5120	4336, part 9	minutes;	reduction of
			1000, put y	< 1400 F. for rest of	POC emissions
				loading event	for loading of
				iouung event	gasoline,
					gasoline
					blending
					stocks,
					aviation gas,
					aviation fuel
					(JP-4 type),
					and crude oil

Table II B – Abatement Devices

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

Table II B – Abatement Devices

Table II C – Significant Sources

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

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

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
69	Propane Loading Rack	BAAQMD 2-1-123.3.1
70	Butane Loading Rack	BAAQMD 2-1-123.3.1
71	Wax & Lube Oil Loading Rack (Tank Cars)	BAAQMD 2-1-123.3.4, BAAQMD 2-1-123.3.6
72	Wax Loading Rack (Trucks)	BAAQMD 2-1-123.3.6
73	Lube Oil Loading Rack (Trucks)	BAAQMD 2-1-123.3.4
90	Tank 67	BAAQMD 2-1-123.3.2
91	Tank 73	BAAQMD 2-1-123.3.6
94	Tank 78	BAAQMD 2-1-123.3.10
98	Tank 101	BAAQMD 2-1-123.3.2, BAAQMD 2-1-1233.3
99	Tank 102	BAAQMD 2-1-123.3.2
103	Tank 106	BAAQMD 2-1-123.3.2
105	Tank 129	BAAQMD 2-1-123.3.2
108	Tank 153	BAAQMD 2-1-123.3.2
109	Tank 154	BAAQMD 2-1-123.3.2
120	Tank 165	BAAQMD 2-1-123.3.4
127	Tank 173	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3

S#	Description	Basis for Exemption
130	Tank 188	BAAQMD 2-1-123.3.6
131	Tank 189	BAAQMD 2-1-123.3.6
132	Tank 191	BAAQMD 2-1-123.3.4
136	Tank 201	BAAQMD 2-1-123.3.2
138	Tank 203	BAAQMD 2-1-123.3.3
141	Tank 213	BAAQMD 2-1-123.3.6
142	Tank 214	BAAQMD 2-1-123.3.6
143	Tank 215	BAAQMD 2-1-123.3.6
144	Tank 216	BAAQMD 2-1-123.3.6
145	Tank 217	BAAQMD 2-1-123.3.4
148	Tank 231	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.9
149	Tank 232	BAAQMD 2-1-123.2, BAAQMD 2-1-123.3.9
157	Tank 252	BAAQMD 2-1-123.3.6
158	Tank 258	BAAQMD 2-1-123.3.2
162	Tank 262	BAAQMD 2-1-123.3.6
164	Tank 264	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
165	Tank 265	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
166	Tank 266	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
167	Tank 268	BAAQMD 2-1-123.3.6
168	Tank 269	BAAQMD 2-1-123.3.2
169	Tank 270	BAAQMD 2-1-123.3.2
171	Tank 273	BAAQMD 2-1-123.3.6
172	Tank 279	BAAQMD 2-1-123.3.6
173	Tank 280	BAAQMD 2-1-123.3.2
174	Tank 281	BAAQMD 2-1-123.3.3
175	Tank 284	BAAQMD 2-1-123.3.2
179	Tank 291	BAAQMD 2-1-123.3.2
180	Tank 292	BAAQMD 2-1-123.3.2
187	Tank 299	BAAQMD 2-1-123.3.4
188	Tank 300	BAAQMD 2-1-123.3.1
189	Tank 301	BAAQMD 2-1-123.3.1
190	Tank 302	BAAQMD 2-1-123.3.1
191	Tank 303	BAAQMD 2-1-123.3.3
192	Tank 304	BAAQMD 2-1-123.3.3
202	Tank 521	BAAQMD 2-1-123.3.6
204	Tank 528	BAAQMD 2-1-123.3.2

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
205	Tank 529	BAAQMD 2-1-123.3.2
206	Tank 530	BAAQMD 2-1-123.3.4
207	Tank 531	BAAQMD 2-1-123.3.6
209	Tank 674	BAAQMD 2-1-123.3.2
224	Tank 746	BAAQMD 2-1-123.3.4
225	Tank 747	BAAQMD 2-1-123.3.4
226	Tank 748	BAAQMD 2-1-123.3.6
227	Tank 749	BAAQMD 2-1-123.3.6
228	Tank 750	BAAQMD 2-1-123.3.6
229	Tank 751	BAAQMD 2-1-123.3.6
230	Tank 752	BAAQMD 2-1-123.3.6
231	Tank 753	BAAQMD 2-1-123.3.4
236	Tank 770	BAAQMD 2-1-123.3.4
237	Tank 771	BAAQMD 2-1-123.3.4
240	Tank 774	BAAQMD 2-1-123.3.4
241	Tank 775	BAAQMD 2-1-123.3.4
253	Tank 833	BAAQMD 2-1-123.3.1
260	Tank 1009	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
262	Tank 1011	BAAQMD 2-1-123.3.3
263	Tank 1012	BAAQMD 2-1-123.3.3
266	Tank 1345	BAAQMD 2-1-123.3.4
267	Tank 1346	BAAQMD 2-1-123.3.4
286	Tank F3	BAAQMD 2-1-123.3.3
287	Tank F10	BAAQMD 2-1-123.3.4
293	Tank F805	BAAQMD 2-1-123.3.3
427	Marine Loading Berth B2	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
428	Marine Loading Berth B3	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
429	Marine Loading Berth B4	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
452	U230 Cooling Tower	BAAQMD 2-1-128.4
456	U110 Cooling Tower	BAAQMD 2-1-128.4
457	U228 Cooling Tower	BAAQMD 2-1-128.4
458	U200 Cooling Tower	BAAQMD 2-1-128.4
500	ULSD 220/250 Cooling Tower	BAAQMD 2-1-128.4

Table II D – Sources Exempt from Permit Requirements

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 requirements 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: <u>http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat</u> <u>=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions</u>.

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with <u>both</u> versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)	Ν
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)	Ν
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (6/15/05)	Ν
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (12/21/04)	Ν

Table IIIGenerally Applicable Requirements

III. Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (4/16/03)	Ν
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 2, Rule 9	IERCs (4/7/99)	Ν
BAAQMD Regulation 3	Fees (6/15/05)	Ν
SIP Regulation 3	Fees (5/3/84)	Y - note 1
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	Ν
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y - note 1
BAAQMD Regulation 5	Open Burning (3/6/02)	Ν
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	Ν
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (06/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface	Y
	Coating Operations (10/16/02)	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (1/21/04)	Y – note 2
SIP Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (7/20/83)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	Ν
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)	Ν
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y - note 1
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	Ν
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y

Table IIIGenerally Applicable Requirements

III. Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/99)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Ν
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y - note 1
Notification Requirement – Process Unit Startup and Shutdown	Notification Requirement – Process Unit Startup and Shutdown (Permit Section VI)	Ν
California Health and Safety Code Section 41750 et seq.	Portable Equipment	Ν
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	Ν
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
Subpart H, 40 CFR 82.270(b)	Prohibitions, Halon	Y

Table IIIGenerally 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.

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:

<u>http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat</u> <u>=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions</u>. All other text may be found in the regulations themselves.

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-301	Public Nuisance Prohibition	Ν	
1-510	Area Monitoring	Y	
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	Ν	
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	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-544	Monthly Summary	Y	
BAAQMD	General Requirements (7/19/06)		
Regulation 2, Rule 1			
2-1-429	Federal Emissions Statement	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
6-311	Process Weight Rate Limits	Y	
6-401	Appearance of Emissions	Y	
District	Organic Compounds, Miscellaneous Operations		
Regulation 8,			
Rule 2			
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day	Y	
	and 300 ppm total carbon on a dry basis		
BAAQMD	General Solvent and Surface Coating Operations (05/15/96)		
Regulation 8,			
Rule 4			
8-4-302	Solvent and Surface Coating Operations	N	
8-4-312	Solvent Evaporative Loss Minimization	N	
8-4-501	Recordkeeping Requirements	Y	
SIP	General Solvent and Surface Coating Operations (12/23/97)		
Regulation 8,			
Rule 4			
8-4-302	Solvent and Surface Coating Operations	Y-note 1	
BAAQMD	Storage of Organic Liquids (11/27/02)		
Regulation 8, Rule 5			
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Tank Degassing Requirements, Approved Emission Control	Y	
0-3-320.1.2	System	I	
8-5-404	Certification	Y	
8-5-502	Tank Cleaning Annual Source Test Requirements	Y	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-603	Determination of Emissions	Y	
8-5-603.2	Tank degassing equipment	Y	
BAAQMD	Emulsified and Liquid Asphalts (09/16/87)		
Regulation 8,			
Rule 15			
8-15-305	Prohibition of Manufacturer and Sale	Y	
8-15-501	Manufacturing Records	Y	
BAAQMD	Aeration of Contaminated Soil and Removal of Underground		
Regulation 8,	Storage Tanks (12/15/01)		
Rule 40			
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	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
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	Ν	
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	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,	[only provisions which are different than current BAAQMD		
Rule 1	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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/6/99)	(1/N)	Date
Regulation 9,	norganic Gaseous Fonutants - Hyurogen Sunde (10/0/99)		
Rule 2			
9-2-301	Limitations on Ground Level Concentrations	Ν	
9-2-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540,	Ν	
	1-542, 1-543, 1-544)		
9-2-601	Ground Level Monitoring	Ν	
BAAQMD	Asbestos Demolition, Renovation and Manufacturing (10/07/98)		
Regulation 11,			
Rule 2			
11-2-301	Prohibited Operations	Ν	
11-2-302	Visible Emissions	Ν	
11-2-303	Demolition, Renovation, and Removal	Ν	
11-2-304	Waste Disposal	Ν	
11-2-305	Waste Disposal Sites	Ν	
11-2-501	Temperature Records	Ν	
11-2-502	Waste Shipment Records	Ν	
11-2-503	Active Waste Disposal Records	Ν	
11-2-504	Conversion Operations	Ν	
40 CFR 60,	New Source Performance Standards – General Provisions		
Subpart A	(12/23/71)		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.18	General control device requirements	Y	
60.19	General notification and reporting requirements	Y	
40 CFR 61,	National Emission Standards for Hazardous Air Pollutants -		
Subpart A	General Provisions (3/16/95)		
61.1	List of pollutants and applicability	Y	
61.2	Definitions	Y	
61.3	Units and abbreviations	Y	
61.4	Address	Y	
61.5	Prohibited activities	Y	
61.6	Determination of construction or modification	Y	
61.7	Application for approval of construction or modification	Y	
61.8	Approval of construction or modification	Y	
61.9	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modifications	Y	
61.16	Availability of information	Y	
61.17	State Authority	Y	
61.18	Incorporations by reference	Y	
61.19	Circumvention	Y	
40 CFR 61,	National Emission Standard for Benzene Waste Operations		
Subpart FF;	(3/7/90);		
BAAQMD	BAAQMD National Emission Standard for Benzene Emissions		
Regulation 11,	from Benzene Transfer Operations and Benzene Waste		
Rule 12	Operations (4/19/89)		
61.340(a)	Applicability	Y	
61.340(b)	Applicability: hazardous waste	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Exemption for gaseous streams routed to fuel gas systems	Y	
61.342	Standards: General	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.342(g)	Compliance determined by review of records, test results, and inspections	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(a)	Determination of total annual benzene quantity from facility waste	Y	
61.355(b)	Determination at point of waste generation	Y	
61.355(c)	Determination of flow-weighted annual average benzene concentration	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.356(b)(1)	Records for uncontrolled streams	Y	
61.356(b)(5)	Records for turnaround waste	Y	
61.357	Reporting requirements	Y	
61.357(a)	Reports after startup	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
BAAQMD Regulation 11, Rule 12	Incorporates by reference 40 CFR 61, Subpart FF	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for	Y	
Subpart A	Source Categories		
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities	Y	
63.5	Construction and reconstruction	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
63.15	Availability of Information & Confidentiality	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart B	Source Categories: General Provisions; and Requirements for		
	Control Technology Determinations for Major Sources in		
	Accordance with Clean Air Act Sections, Section 112(g) and		
	112(j); Final Rule		
63.52	Approved process for new and existing affected sources.	Y	
63.52(a)	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Combustion Turbines	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Site Remediation	Y	12/29/03
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Boilers and Process Heaters	Y	6/27/04
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Reciprocating Internal Combustion Engines	Y	6/27/04
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
40 CFR 63,	National Emissions Standards for Hazardous Air Pollutants		
Subpart CC	from Petroleum Refineries (8/18/95)		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(a)	applies to petroleum refining process units and to related emission	Y	Date
03.040(a)	points	1	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	Exclusion for stormwater from segregated stormwater sewers	Y	
63.640(d)(5)	Exclusion for emission points routed to a fuel gas system	Y	
63.640(f)	Applicability and Designation of Affected Sources	Y	
63.640(g)	Applicability and Designation of Affected Sources-Exempt processes	Y	
63.640(h)	Applicability and Designation of Affected Sources-Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Sources-New petroleum refining processes	Y	
63.640(j)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(k)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(1)	Applicability and Designation of Affected Sources-Additional requirements for new or changed sources	Y	
63.640(1)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of (l)(3)(i) through (l)(3)(vii) of this section	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks	Y	
63.642	General Standards		
63.642(a)	apply for a Part 70 or Part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(l)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the method in (k) to comply without allowance to use the emission averaging compliance approach	Y	
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with sections 61.340 to 61.355 of 40 CFR Part 61, Subpart FF for each stream that meets the definition of 63.641.	Y	
63.647(c)	Owners/operators required under Subpart FF of 40 CFR Part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR Part 60 Subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with Subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less frequent monitoring of valves and pumps as provided in 40 CFR Part 60 Subpart VV or Subpart H of this part and paragraph (c) of this section is governed by paragraphs (b)(1) and (b)(2) of this section.	Y	
63.648(c)	In lieu of complying with the existing source provisions of paragraph (a) an owner/operator may elect to comply with certain requirements of Subpart H of this part except as provided in paragraphs (c)(1) through (c)(10) and (e) through (i) of this section.	Y	
63.648(d)	Upon startup of new sources, the owner/operator shall comply with section 63.163(a)(1)(ii) of Subpart H of this part for light liquid pumps and 63.168(a)(1)(ii) of Subpart H for gas/vapor and light liquid valves.	Y	
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service, owners/operators are not required to comply with the requirements in section 63.169 of Subpart H of this part.	Y	
63.648(f)	Reciprocating pumps in light liquid service are exempt from section 63.163 and 60.482 if recasting the distance piece or reciprocating pump replacement is required.	Y	
63.648(h)	Owner/operators of sources subject to this subpart must maintain all records for a minimum of 5 years.	Y	
63.654	Reporting and recordkeeping requirements	Y	
63.654(a)	Owner/operators subject to the wastewater provisions of 63.647 shall comply with the recordkeeping and reporting requirements in 61.356 and 61.357 of 40 CFR 61 , Subpart FF, unless they comply with those specified in paragraph (o)(2)(ii) of 63.640 . Recordkeeping and reporting for wastewater streams included in emission averages are specified in 63.653 and in paragraphs (f)(5) and (g)(8) of this section.	Y	
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648 shall comply with the recordkeeping and reporting provisions of paragraphs (d)(1) through (d)(6) of this section.	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	The owner/operator shall notify the District in writing by fax or	Ν	
Condition	email no less than three calendar days in advance of any scheduled		
20989, Part B	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]		

Table IV – All SourcesFacility-Specific Generally 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.

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60,			
Subpart J			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			

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

Table IV – A.1Source-specific Applicable RequirementsS2 – UNIT 229, B-301 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
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	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
nequi emene	limits), of Part 60	(111)	Dute
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
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 (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation 2-6-409.2]	Y	
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation 2-6-409.2]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)	(1/1/)	Dute
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	N	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	

S4 – UNIT 231, B-101 HEATER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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	Performance Specifications		

	S4 – UNIT 251, B-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	
	409.2]		
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative	Y	
	Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Ν	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Ν	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Ν	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Ν	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/021/5/94)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	N	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

S5 – UNIT 231, B-102 HEATER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			

	S5 – UNIT 231, B-102 HEATER		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	Y	
Tart F.2	Increase]	1	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD		1	
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2		N	
Part 2 Part 3	O2 CEM requirement [Basis: Regulation 9-10-502] "NOx Box" requirement for sources without NOx CEMs [Basis:	N	
Part 3	Regulation 9-10-502]	Ν	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 9 Part 10	Recordkeeping requirement [Basis: Regulation 9-10-502, 1-522]	N N	

		Federally	Future
Applicable Boguingmont	Regulation Title or Description of Requirement	Enforceable (V/N)	Effective
Requirement BAAQMD	General Provisions and Definitions (7/17/06)	(Y/N)	Date
Regulation 1	Scherm 110435015 and Delinitions (717700)		
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
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	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is	Ν	
	unavailable for use		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS 40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation 2-6-409.2]	Y	
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation 2-6-409.2]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6- 409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	

Table IV – A.5Source-specific Applicable RequirementsS7 – UNIT 231, B-103 HEATER

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250	Y	
	MMbtu/hr or more		
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	N	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS 40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	

Source-specific Applicable Requirements S8 – UNIT 240, B-1 BOILER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	

Table IV – A.6Source-specific Applicable RequirementsS8 – UNIT 240, B-1 BOILER

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.

Recordkeeping requirement [Basis: Regulation 9-10-504]

Part 10

Ν

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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 to Part 60 – Test Methods	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
		(1/1)	Date
Appendix A			
NSPS	Performance Specifications		
40 CFR 60 Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7	112.5 continuous emission monitoring systems	I	
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	

Table IV – A.7Source-specific Applicable RequirementsS9 – UNIT 240, B-2 BOILER

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)		
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Volume V		(1/11)	Date
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	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	Y	
	performance tests required by 60.8		
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	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			

S10 – UNIT 240, B-101 HEATER				
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
1694				
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y		
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y		
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y		
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y		
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y		
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y		
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y		
BAAQMD Condition 21235				
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν		
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν		
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν		

Table IV – A.8Source-specific Applicable RequirementsS10 – UNIT 240, B-101 HEATER

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.

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	(1/1)	Date
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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 to Part 60 – Test Methods	Y	
Appendix A			
NSPS 40 CFR 60	Performance Specifications		
Appendix B			

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	
	NOx, CO, O2 source test requirement for sources without NOx CEMs	N	
Part 7	[Basis: Regulation 9-10-502]	1	
Part 7 Part 9	· · · · · ·	N	

	S12 – UNIT 240, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

S12 – UNIT 240, B-202 HEATER				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
60.7(h)	Specific Provisions	Y		
60.8	Performance Tests	Y		
60.11	Compliance with Standards and Maintenance Requirements	Y		
60.11(a)	Compliance determined by performance tests	Y		
60.11(d)	Control devices operated using good air pollution control practice	Y		
60.13	Monitoring requirements	Y		
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y		
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y		
60.13(e)	Continuous monitoring system minimum frequency of operation	Y		
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y		
60.13(f)	Continuous monitoring system installation location requirement	Y		
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)			
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	Appendix A to Part 60 – Test Methods	Y		
40 CFR 60,				
Appendix A				

S12 – UNIT 240, B-202 HEATER				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
NSPS	Performance Specifications			
40 CFR 60				
Appendix B				
Performance	H2S continuous emission monitoring systems	Y		
Specification 7				
BAAQMD				
Condition				
1694				
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y		
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y		
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y		
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y		
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y		
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y		
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y		
BAAQMD				
Condition				
21235				
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν		
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N		
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N		
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N		
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N		
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N		

	S13 – UNIT 240, B-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)	(1/1)	Dute
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	

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

Table IV – A.11Source-specific Applicable RequirementsS13 – UNIT 240, B-301 HEATER

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	

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

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

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

Applicable Requirement	S14 – UNIT 240, B-401 HEATER Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (7/17/06)	(1/11)	Date
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures, Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	

Table IV – A.12Source-specific Applicable RequirementsS14 – UNIT 240, B-401 HEATER

60.13(f)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Υ	
60.7(d)	Summary reports	Υ	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Υ	
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	

Table IV – A.12 Source-specific Applicable Requirements

Y

Continuous monitoring system installation location requirement

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6- 409.2]	Y	
Part F.1	Annual fuel firing limit at \$8, \$9, \$10, \$11, \$12, \$13, \$14 [Basis:	Y	

1-522.7

1-522.8

1-522.9

1-522.10

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

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

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.

Source-specific Applicable Requirements S15 – UNIT 244, B-501 HEATER				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
BAAQMD	General Provisions and Definitions (7/17/06)			
Regulation 1				
1-107	Combination of Emissions	Y		
1-521	Monitoring May Be Required	Y		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures			
1-522.4	reporting of inoperative CEMs	Y		
1-522.5	CEM calibration requirements	Y		
1-522.6	CEM accuracy requirements	Y		

Table IV – A.13 • "". LI. D C

Ν Y

Y

Y

Regulation 1-521 monitors shall meet requirements specified by

emission limit exceedance reporting requirements

monitoring data submittal requirements

recordkeeping requirements

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	District		
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS 40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	

Table IV – A.13Source-specific Applicable RequirementsS15 – UNIT 244, B-501 HEATER

	S15 – UNIT 244, B-501 HEATER	D.J. U	E. (
Applicable	Domistion Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	Date
(ii)	Excess FI23 emission definitions for 60.7(c)	1	
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limit for S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis:	Ν	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Ν	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

Table IV – A.13Source-specific Applicable RequirementsS15 – UNIT 244, B-501 HEATER

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.

	510 – UNII 244, D-302 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		

Table IV – A.14Source-specific Applicable RequirementsS16 – UNIT 244, B-502 HEATER

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS 40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60, Appendix A	Appendix A to Part 60 – Test Methods	Y	
NSPS 40 CFR 60	Performance Specifications		
Appendix B Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

Table IV – A.14Source-specific Applicable RequirementsS16 – UNIT 244, B-502 HEATER

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
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	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	

Applicable Requirement	S17 – UNIT 244, B-503 HEATER Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart A	General Provisions (2/12/98)		
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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	Y	

Table IV – A.15Source-specific Applicable RequirementsS17 – UNIT 244, B-503 HEATER

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	N	
	Regulation 9-10-301, 9-10-305]		

Table IV – A.15Source-specific Applicable RequirementsS17 – UNIT 244, B-503 HEATER

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

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.

Source-specific Applicable Requirements S18 – UNIT 244, B-504 HEATER				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)			
1-107	Combination of Emissions	Y		
1-521	Monitoring May Be Required	Y		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures			
1-522.4	reporting of inoperative CEMs	Y		
1-522.5	CEM calibration requirements	Y		
1-522.6	CEM accuracy requirements	Y		
1-522.7	emission limit exceedance reporting requirements	Ν		
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	Ν		
SIP	PROVISIONS NO LONGER IN CURRENT RULE			
Regulation 1	General Provisions and Definitions (6/28/99)			
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1		
1-522.7	emission limit exceedance reporting requirements	Y - note 1		
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)			

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

	S18 – UNIT 244, B-504 HEATER			
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
Regulation 6		V		
6-301	Ringelmann #1 Limitation	Y		
6-305	Visible Particles	Y		
6-310.3	Particulate Weight Limitation	Y		
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y		
Manual of				
Procedures,				
Volume V				
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon			
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters			
Rule 10	in Petroleum Refineries (7/17/02)	Ъ.		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N		
9-10-301.1	Start-up/Shutdown Contribution	N		
9-10-301.2	Out-of-Service Units Contribution	N		
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N		
9-10-303	Federal Facility-wide NOx emission rate limit	Y		
9-10-305	CO emission limit	N		
9-10-502	Monitoring	Y		
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N		
9-10-502.2	Fuel flowmeters	Y		
9-10-504	Recordkeeping	N		
9-10-504.1	Records	Ν		
9-10-505	Reporting	Ν		
9-10-601	Determination of NOx	Ν		
9-10-602	Determination of CO and Stack Gas O2	Ν		
9-10-603	Compliance Determination	Y		
40 CFR 60,	General Provisions (2/12/98)			
Subpart A				
60.7(b)	Records	Y		
60.7(c)	Notification and recordkeeping for continuous monitoring	Y		
60.7(d)	Summary reports	Y		
60.7(e)	Reduction of frequency of summary reports	Y		
60.7(f)	Records	Y		
60.7(g)	Alternative Notification	Y		

Table IV – A.16Source-specific Applicable RequirementsS18 – UNIT 244, B-504 HEATER

S18 – UNIT 244, B-504 HEATER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			

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

S18 – UNIT 244, B-504 HEATER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Ν	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Ν	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

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

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.

S19 – UNIT 244, B-505 HEATER			
Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)	(1/1)	Date
Regulation 1			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	

Table IV – A.17Source-specific Applicable RequirementsS19 – UNIT 244, B-505 HEATER

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6- 409.2]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	

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

Table IV – A.17Source-specific Applicable RequirementsS19 – UNIT 244, B-505 HEATER

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.

520 – UNII 244, D-300 HEATER				
	Federally	Future		
Regulation Title or	Enforceable	Effective		
Description of Requirement	(Y/N)	Date		
General Provisions and Definitions (7/17/06)				
Monitoring May Be Required	Y			
Particulate Matter and Visible Emissions (12/19/90)				
Ringelmann #1 Limitation	Y			
Visible Particles	Y			
Particulate Weight Limitation	Y			
Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon				
Monoxide from Boilers, Steam Generators, and Process Heaters				
in Petroleum Refineries (7/17/02)				
Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν			
	Regulation Title or Description of Requirement General Provisions and Definitions (7/17/06) Monitoring May Be Required Particulate Matter and Visible Emissions (12/19/90) Ringelmann #1 Limitation Visible Particles Particulate Weight Limitation Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)	Regulation Title orFederally Enforceable (Y/N)Description of Requirement(Y/N)General Provisions and Definitions (7/17/06)YMonitoring May Be RequiredYParticulate Matter and Visible Emissions (12/19/90)YRingelmann #1 LimitationYVisible ParticlesYParticulate Weight LimitationYInorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)I		

Table IV – A.18Source-specific Applicable RequirementsS20 – UNIT 244, B-506 HEATER

Applicable Requirement	S20 – UNIT 244, B-506 HEATER Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	

Table IV – A.18Source-specific Applicable RequirementsS20 – UNIT 244, B-506 HEATER

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	

S20 – UNIT 244, B-506 HEATER				
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	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-	Y		
	409.2]			
BAAQMD	Throughput limits for S20 [Basis: 2-1-234.3]	Y		
Condition				
20989, Part A				
BAAQMD				
Condition				
21235				
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Ν		
	Regulation 9-10-301, 9-10-305]			
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν		
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Ν		
	Regulation 9-10-502]			
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν		
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν		
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν		
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Ν		
	10-502]			
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Ν		
	[Basis: Regulation 9-10-502]			
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν		
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν		

Table IV – A.18Source-specific Applicable RequirementsS20 – UNIT 244, B-506 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)		
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMbtu/hr and	Y	
	capable of firing fuel other than natural gas or LPG		
9-10-217	Definition: Small Unit: Between 1 and 10 MMbtu/hr and capable of	Y	
	firing fuel other than natural gas or LPG		
9-10-306	Small Unit Requirements	Y	
9-10-306.2	Small Unit Requirements: Tune-up at least every 12 months, or	Y	
	within two weeks of start-up if not operated in the last 12 months		
9-10-504	Recordkeeping	Ν	
9-10-504.2	Records	Ν	
9-10-505	Reporting	Ν	
9-10-605	Tune-up Procedures	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	

Table IV – A.19Source-specific Applicable RequirementsS21 – UNIT 244, B-507 HEATER

Table IV – A.19Source-specific Applicable RequirementsS21 – UNIT 244, B-507 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS 40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60, Appendix A	Appendix A to Part 60 – Test Methods	Y	
NSPS 40 CFR 60 Appendix B	Performance Specifications		
Performance	H2S continuous emission monitoring systems	Y	

	521 – UNII 244, D-507 HEATER				
		Federally	Future		
Applicable	Regulation Title or	Enforceable	Effective		
Requirement	Description of Requirement	(Y/N)	Date		
Specification 7					
BAAQMD					
Condition					
1694					
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y			
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y			
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y			
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y			
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y			
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y			
BAAQMD	Throughput limits for S21 [Basis: 2-1-234.3]	Y			
Condition					
20989, Part A					

Table IV – A.19Source-specific Applicable RequirementsS21 – UNIT 244, B-507 HEATER

Table IV – A.20Source-specific Applicable RequirementsS22 – UNIT 248, B-606 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Υ	
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	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	

Table IV – A.20 Source-specific Applicable Requirements

Table IV – A.20Source-specific Applicable RequirementsS22 – UNIT 248, B-606 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	Date
00.15(0)(2)	non-opacity-measuring devices	1	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S22 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	

Table IV – A.21Source-specific Applicable RequirementsS29 – UNIT 200, B-5 HEATER

	S29 – UNIT 200, B-5 HEATER					
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date			
60.7(h)	Specific Provisions	Y				
60.8	Performance Tests	Y				
60.11	Compliance with Standards and Maintenance Requirements	Y				
60.11(a)	Compliance determined by performance tests	Y				
60.11(d)	Control devices operated using good air pollution control practice	Y				
60.13	Monitoring requirements	Y				
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y				
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y				
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y				
60.13(e)	Continuous monitoring system minimum frequency of operation	Y				
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y				
60.13(f)	Continuous monitoring system installation location requirement	Y				
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)					
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	Appendix A to Part 60 – Test Methods	Y				
40 CFR 60,						
Appendix A						

Table IV – A.21Source-specific Applicable RequirementsS29 – UNIT 200, B-5 HEATER

	S29 – UNIT 200, B-5 HEATER		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Performance Specifications		
40 CFR 60	-		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S29 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.21Source-specific Applicable RequirementsS29 – UNIT 200, B-5 HEATER

Table IV – A.22Source-specific Applicable RequirementsS30 – UNIT 200, B-101 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement BAAQMD	Description of Requirement General Provisions and Definitions (7/17/06)	(Y/N)	Date
Regulation 1	General Frovisions and Demittons (7/17/00)		
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7(g)	Alternative Notification	(1/N) Y	Date
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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 to Part 60 – Test Methods	Y	

S30 – UNIT 200, B-101 HEATER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
-	Description of Requirement	(1/1)	Date
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B Performance		V	
Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6- 409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S30 [Basis: 2-1-234.3]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	

Table IV – A.22Source-specific Applicable RequirementsS30 – UNIT 200, B-101 HEATER

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

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

Table IV – A.23Source-specific Applicable RequirementsS31 – UNIT 200, B-501 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)		
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	1	
Regulation 6	1 ai uculate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	Ν	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60,	General Provisions (2/12/98)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
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	Y	

Table IV – A.23Source-specific Applicable RequirementsS31 – UNIT 200, B-501 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	monitors as required by 60.105(a)(3))		
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S31 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Ν	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	

Table IV – A.23Source-specific Applicable RequirementsS31 – UNIT 200, B-501 HEATER

Table IV – A.23Source-specific Applicable RequirementsS31 – UNIT 200, B-501 HEATER

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

Table IV – A.24Source-specific Applicable RequirementsS36 – UNIT 200, B-102 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
1 (00	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Permits, General Requirements (7/19/06)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Ν	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (03/16/1994)		
Subpart A			
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	

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

Table IV – A.24Source-specific Applicable RequirementsS36 – UNIT 200, B-102 HEATER

Table IV – A.24Source-specific Applicable RequirementsS36 – UNIT 200, B-102 HEATER

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

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.

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)		

Table IV – A.25Source-specific Applicable RequirementsS43 – UNIT 200, B-202 HEATER

	S43 – UNIT 200, B-202 HEATER	S43 – UNIT 200, B-202 HEATER				
		Federally	Future			
Applicable	Regulation Title or	Enforceable	Effective			
Requirement	Description of Requirement	(Y/N)	Date			
Regulation 2,						
Rule 1						
2-1-403	Permit conditions requiring measurement of emissions	N				
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y				
SIP	PROVISIONS NO LONGER IN CURRENT RULE					
Regulation 2,	Permits, General Requirements (1/26/99)					
Rule 1						
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1				
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)					
Regulation 6						
6-301	Ringelmann #1 Limitation	Y				
6-304	Tube Cleaning	Y				
6-305	Visible Particles	Y				
6-310.3	Particulate Weight Limitation	Y				
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y				
Manual of						
Procedures,						
Volume V						
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon					
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters					
Rule 10	in Petroleum Refineries (7/17/02)					
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν				
9-10-301.1	Start-up/Shutdown Contribution	Ν				
9-10-301.2	Out-of-Service Units Contribution	Ν				
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν				
9-10-303	Federal Facility-wide NOx emission rate limit	Y				
9-10-305	CO emission limit	Ν				
9-10-502	Monitoring	Y				
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N				
9-10-502.2	Fuel flowmeters	Y				
9-10-504	Recordkeeping	N				
9-10-504.1	Records	N				
9-10-505	Reporting	N				
9-10-601	Determination of NOx	N				

Table IV – A.25Source-specific Applicable RequirementsS43 – UNIT 200, B-202 HEATER

Table IV – A.25Source-specific Applicable RequirementsS43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-602	Determination of CO and Stack Gas O2	N	2
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
40 CFR 60, Appendix B	Performance Specifications		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.1	S43 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.2	S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part D.3	S43, S44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.4	S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S43 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.25Source-specific Applicable RequirementsS43 – UNIT 200, B-202 HEATER

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.

S44 – UNIT 200, B-201 HEATER			
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	1	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Ν	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	

Table IV – A.26Source-specific Applicable RequirementsS44 – UNIT 200, B-201 HEATER

	S44 – UNIT 200, B-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	

Table IV – A.26Source-specific Applicable RequirementsS44 – UNIT 200, B-201 HEATER

Table IV – A.26Source-specific Applicable RequirementsS44 – UNIT 200, B-201 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
40 CFR 60,	Performance Specifications		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
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	
	409.2]		
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	Y	
	Increase]		
BAAQMD	Throughput limits for source S44 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis:	N	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

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

Table IV – A.27Source-specific Applicable RequirementsS50, S51, S52 – TURBINE STARTUP ENGINES

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9,	Internal Combustion Engines (8/1/01)		
Rule 8			
9-8-111.1	Exemptions: Engines rated at or below 1000 brake horsepower which	Y	
	operate less than 200 hours in any 12-consecutive month period are		
	only subject to recordkeeping		
9-8-502	Recordkeeping	Y	
BAAQMD			
Condition			
19488			
Part 1	100 hr/yr operating limit per engine [Basis: Cumulative increase]	Y	
Part 2	Operating hour records [Basis: Regulation 9-8-502]	Y	

S53, S54, S55, S56, S57, S58, S59 – Emergency Diesel Engines			
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9,	Internal Combustion Engines (8/1/01)		
Rule 8			
9-8-330	Emergency Standby Engines, Hours of Operation	Ν	
9-8-530	Emergency standby engines, monitoring and recordkeeping	Ν	
BAAQMD			
Condition			
19488			
Part 3	100 hr/yr operating limit per engine (non-emergency) [Basis:	Y	
	Regulation 9-8-330]		
Part 6	Monitoring [Basis: Regulation 9-8-530]	Y	
Part 7	Operating hour records [Basis: Regulation 9-8-530]	Y	

Table IV – A.28 Source-specific Applicable Requirements S53 S54 S55 S56 S57 S58 S59 – EMERGENCY DIESEL ENGINES

Table IV – A.29Source-specific Applicable RequirementsS336 – UNIT 231, B-104 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
	except for gas burned as a result of process upset or gas burned at		
	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	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			

Table IV – A.29Source-specific Applicable RequirementsS336 – UNIT 231, B-104 HEATER

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S336 [Basis: 2-1-234.3]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	

Table IV – A.29Source-specific Applicable RequirementsS336 – UNIT 231, B-104 HEATER

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Ν	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	Ν	
9-10-504.1	Records	Ν	
9-10-505	Reporting	N	

Table IV – A.30Source-specific Applicable RequirementsS337 – UNIT 231, B-105 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)		
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	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
NSPS 40 CFR 60 Appendix B	Performance Specifications		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	

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

Table IV – A.30Source-specific Applicable RequirementsS337 – UNIT 231, B-105 HEATER

Table IV – A.31Source-specific Applicable RequirementsS351 – UNIT 267, B-601/602 HEATERS

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

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

	5551 - CIII 207, D-001/002 HEATERS	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Ν	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν	

Applicable Requirement	S351 – UNIT 267, B-601/602 HEATERS Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.1	Start-up/Shutdown Contribution	Ν	
9-10-301.2	Out-of-Service Units Contribution	Ν	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	Ν	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (7/1/00)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60, Appendix A	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60, Appendix B	Performance Specifications		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD			

Table IV – A.31Source-specific Applicable RequirementsS351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part B.1	S351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	
Part B.3	S351 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S351 [Basis: 2-1-234.3]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	

Table IV – A.31Source-specific Applicable RequirementsS351 – UNIT 267, B-601/602 HEATERS

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.

Source-specific Applicable Requirements				
Applicable	S371 – UNIT 228, B-520 FURNACE Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
BAAQMD	General Provisions and Definitions (7/17/06)			
Regulation 1				
1-107	Combination of Emissions	Y		
1-521	Monitoring May Be Required	Y		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures			
1-522.4	reporting of inoperative CEMs	Y		
1-522.5	CEM calibration requirements	Y		
1-522.6	CEM accuracy requirements	Y		
1-522.7	emission limit exceedance reporting requirements	Ν		
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	Ν		
SIP	PROVISIONS NO LONGER IN CURRENT RULE			
Regulation 1	General Provisions and Definitions (6/28/99)			
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1		
1-522.7	emission limit exceedance reporting requirements	Y - note 1		
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)			
Regulation 6				
6-301	Ringelmann #1 Limitation	Y		
6-305	Visible Particles	Y		
6-310.3	Particulate Weight Limitation	Y		
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y		
Manual of				
Procedures,				
Volume V				
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon			
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters			
Rule 10	in Petroleum Refineries (7/17/02)			
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	Ν		
9-10-301.1	Start-up/Shutdown Contribution	Ν		

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

Ν

...Out-of-Service Units Contribution

9-10-301.2

S371 – UNIT 228, B-520 FURNACE				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν		
9-10-303	Federal Facility-wide NOx emission rate limit	Y		
9-10-305	CO emission limit	Ν		
9-10-502	Monitoring	Y		
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N		
9-10-502.2	Fuel flowmeters	Y		
9-10-504	Recordkeeping	N		
9-10-504.1	Records	N		
9-10-505	Reporting	N		
9-10-601	Determination of NOx	N		
9-10-602	Determination of CO and Stack Gas O2	Ν		
9-10-603	Compliance Determination	Y		
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)			
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)	Y		
	except for gas burned as a result of process upset or gas burned at			
	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 to Part 60 – Test Methods	Y		
Appendix A				
40 CFR 60,	Performance Specifications			
Appendix B				
Performance	H2S continuous emission monitoring systems	Y		
Specification 7				
BAAQMD				
Condition				

Table IV – A.32Source-specific Applicable RequirementsS371 – UNIT 228, B-520 FURNACE

Source-specific Applicable Requirements S371 – Unit 228, B-520 Furnace				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
1694				
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y		
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y		
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y		
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y		
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y		
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y		
Part C.1	S371, S372 abatement requirement [Basis: BACT, Cumulative Increase]	Y		
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y		
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y		
BAAQMD Condition	Throughput limits for source S371 [Basis: 2-1-234.3]	Y		
20989, Part A				
BAAQMD				
Condition				
21235				
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Ν		
	Regulation 9-10-301, 9-10-305]			
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν		
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν		

Table IV – A.32Source-specific Applicable RequirementsS371 – UNIT 228, B-520 FURNACE

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.

Recordkeeping requirement [Basis: Regulation 9-10-504]

Part 10

Ν

S372 – UNIT 228, B-521 FURNACE				
Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
BAAQMD	General Provisions and Definitions (7/17/06)	(1/1)	Dutt	
Regulation 1				
1-107	Combination of Emissions	Y		
1-521	Monitoring May Be Required	Y		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures			
1-522.4	reporting of inoperative CEMs	Y		
1-522.5	CEM calibration requirements	Y		
1-522.6	CEM accuracy requirements	Y		
1-522.7	emission limit exceedance reporting requirements	Ν		
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	Ν		
SIP	PROVISIONS NO LONGER IN CURRENT RULE			
Regulation 1	General Provisions and Definitions (6/28/99)			
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1		
1-522.7	emission limit exceedance reporting requirements	Y - note 1		
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)			
Regulation 6				
6-301	Ringelmann #1 Limitation	Y		
6-305	Visible Particles	Y		
6-310.3	Particulate Weight Limitation	Y		
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y		
Manual of				
Procedures,				
Volume V				
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon			
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters			
Rule 10	in Petroleum Refineries (7/17/02)			
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N		
9-10-301.1	Start-up/Shutdown Contribution	N		
9-10-301.2	Out-of-Service Units Contribution	Ν		
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν		

Table IV – A.33Source-specific Applicable RequirementsS372 – UNIT 228, B-521 FURNACE

S372 – UNIT 228, B-521 FURNACE				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	Date	
9-10-305	CO emission limit	N		
9-10-502	Monitoring	Y		
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N		
9-10-502.2	Fuel flowmeters	Y		
9-10-502.2 9-10-504		N		
9-10-504.1	Recordkeeping Records	N		
9-10-505		N		
9-10-505 9-10-601	Reporting Determination of NOx	1		
		N		
9-10-602	Determination of CO and Stack Gas O2	N		
9-10-603	Compliance Determination	Y		
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)			
Subpart J	A	V		
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)	Y		
	except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions			
60.105	Monitoring of Emissions and Operations	Y		
	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y		
60.105(a)(4)	combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	I		
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y		
60.106(a)	Test methods and procedures	Y		
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y		
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y		
Appendix A				
40 CFR 60,	Performance Specifications			
Appendix B				
Performance	H2S continuous emission monitoring systems	Y		
Specification 7				
BAAQMD				
Condition				
1694				

Table IV – A.33Source-specific Applicable RequirementsS372 – UNIT 228, B-521 FURNACE

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S371, S372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	Throughput limits for source S372 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	N	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	

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.

	S438 – UNIT 110, H-1 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)		
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)	Y	
. / . /	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		

Table IV – A.34Source-specific Applicable RequirementsS438 – UNIT 110, H-1 FURNACE

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105	Monitoring of Emissions and Operations	(1/N) Y	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	
40 CFR 60, Appendix A	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60, Appendix B	Performance Specifications		
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1c	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part E.1	S438 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.2	S438 annual firing limit [Basis: Cumulative Increase]	Y	
Part E.3	S438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.4	S438 NOx, CO and POC emission limits [Basis: BACT, Cumulative Increase]	Y	
Part E.5	S438 fuel gas TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.6	S438 Records [Basis: Cumulative Increase]	Y	
Part E.7	S438 modification startup source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.8	S438 modification startup source test requirement [Basis: BACT,	Y	

Table IV – A.34Source-specific Applicable RequirementsS438 – UNIT 110, H-1 FURNACE

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

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.35Source-specific Applicable RequirementsS461 – UNIT 250, B-701 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (7/17/06)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	Ν	
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	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)		
Regulation 2, Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	

Table IV – A.35Source-specific Applicable RequirementsS461 – UNIT 250, B-701 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (03/16/1994)		
Subpart A			
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (7/1/00)		
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(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
NSPS 40 CFR 60	Performance Specifications		
Appendix B			

	5401 – UNII 250, B-701 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5c	Records of SO2 emissions [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD			
Condition			
21096			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase]	Y	
Part 3c	Ammonia limit [Basis: Toxic Management]	Ν	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 10	Recordkeeping [Basis: 2-6-503]	Y	
BAAQMD			
Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	

Table IV – A.35Source-specific Applicable RequirementsS461 – UNIT 250, B-701 HEATER

Table IV – A.35Source-specific Applicable RequirementsS461 – UNIT 250, B-701 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	
	Cumulative Increase, Toxic Management Policy]		

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 – BSource-specific Applicable RequirementsS400 WET WEATHER WASTEWATER SUMPS401 DRY WEATHER WASTEWATER SUMP

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

Table IV – BSource-specific Applicable RequirementsS400 WET WEATHER WASTEWATER SUMPS401 DRY WEATHER WASTEWATER SUMP

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

Table IV – BSource-specific Applicable RequirementsS400 WET WEATHER WASTEWATER SUMPS401 DRY WEATHER WASTEWATER SUMP

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Wastewater (Oil-Water) Separator (6/15/94)	Ν	
Regulation 8,			
Rule 8			
8-8-113	Exemption, secondary wastewater treatment processes and storm	Y	
	water sewer systems		
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	Y	
	liters per seconds (300 gal/min), must be equipped with one of the		
	following:		
8-8-302.1	a solid, vapor-tight, full contact fixed cover which totally encloses the	Y	
	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.		
8-8-306	Wastewater separator effluent channels rated capacity larger than or	Y	
	equal to 25.2 liters per second (400 gal/min) must be equipped with		
	one of the following:		
8-8-306.1	a solid, gasketed, fixed cover total enclosing the oil-water separator	Y	
	effluent channel liquid contents, with all cover openings closed,		
	except when being used for inspection, maintenance, or wastewater		
	sampling.		
8-8-501	Maintain records when wastewater bypasses the API Separator or the	Y	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement Air Floatation Unit	(Y/N)	Date
8-8-503	Maintain records for semiannual gap inspections, closure	Y	
8-8-505	requirements, and repairs for oil-water separator effluent channel	1	
	fixed roof seals, access doors, and other openings.		
40 CFR 60,	Standards of Performance for VOC Emissions from Petroleum	N	
Subpart QQQ	Refinery Wastewater Systems (8/18/95)		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed,	Y	
	modified, or reconstructed after May 4, 1987		
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	Y	
	startup, shutdown, or malfunction		
60.692-1(b)	Determine compliance through review of records and reports,	Y	
	performance test results, and inspections		
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	Y	
	which meets the following specifications:		
60.692-3	The fixed roof shall completely cover the separator tank, slop oil	Y	
(a)(1)	tank, storage vessel or other auxiliary equipment.		
60.692-3	The vapor space under a fixed roof shall not be purged unless the	Y	
(a)(2)	vapor is directed to a control device.		
60.692-3	Roof access doors or openings shall be gasketed, latched, and kept	Y	
(a)(3)	closed during operation, except during inspection and maintenance.		
60.692-3	Roof seals, access doors, and other openings shall be checked by	Y	
(a)(4) 60.692-3	visual inspection initially and semiannually thereafter. When a broken seal or gasket or other problem is identified repairs	Y	
(a)(5)	shall be attempted as soon as practicable, but no later than 15 days	I	
(a)(3)	later.		
60.692-3 (e)	Slop oil from an oil-water separator and oily wastewater from slop oil	Y	
	handling equipment shall be collected, stored, transported, recycled,		
	reused, or disposed of in an enclosed system.		
60.692-6(a)	Delays of repairs are allowed if the repair is technically impossible	Y	
	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	Y	
	or process unit shutdown.		

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
(0 (07())	provisions of Subpart QQQ.		
60.697(c)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-3(a) when a problem is identified that could result in VOC emissions.		
(0, (07(x))(1))		V	
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process	Y	
(0, (07(x))(2))	unit shutdown, record the expected date of a successful repair.	V	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if	Y	
	an emission point or equipment problem is not repaired or corrected		
(0, (07(.))(2))	in the specified amount of time.	V	
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown shall be recorded.		
(0, (07(a))(4))		V	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	
	with the provisions of this subpart shall be kept for the life of the		
(0,(07(0)(2))	source in a readily accessible location.	V	
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	Y	
00.070(0)(1)	the required inspection have been carried out in accordance with	1	
	Subpart QQQ standards.		
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	
	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		
BAAQMD			
Condition			
1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	No detectable VOC from doors, hatches, covers or other openings	Y	
	[Basis: Cumulative Increase]		
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for source S324 [Basis: 2-1-234.3]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Wastewater (Oil-Water) Separator	Ν	
Regulation 8,			
Rule 8			
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit	Y	
	flocculation sump, basin, chamber or tank with a maximum		
	allowable capacity greater than 400 gals/min unless is equipped with		
	one of the following:		
8-8-307.1	a solid, gasketed, fixed cover totally enclosing the vessel liquid	Y	
	contents, with all cover openings closed, except for inspection,		
	maintenance, or wastewater sampling. The cover may include an		
	atmospheric vent or a pressure/vacuum valve. Also includes gap		
	inspection frequency and limits.		
8-8-503	Maintain records for semiannual gap inspections, closure	Y	
	requirements, and repairs for oil-water separator effluent channel		
	fixed roof seals, access doors, and other openings.		
BAAQMD			
Condition			
1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for S1007 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
Α			

Table IV – DSource-specific Applicable RequirementsS1007 DISSOLVED AIR FLOTATION UNIT

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Υ	
	Increase]		
BAAQMD	Throughput limits for sources S381, S382, S383, S384 [Basis: 2-1-	Υ	
Condition	234.3]		
20989, Part			
Α			

Table IV - FSource-specific Applicable Requirements – WastewaterPONDS/BIOTREATERS/SURFACE IMPOUNDMENTSS1008 PRIMARY STORMWATER BASINS1009 MAIN STORMWATER BASIN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	Wastewater (Oil-Water) Separator (6/15/94)	Ν	
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records: record requirements for water which bypasses normal treatment and is diverted to S1008, S1009	Y	
BAAQMD Condition 1440			
Part 2	Minimize diversion of wastewater to S1008, S1009 [Basis: Cumulative Increase]	Y	
Part 3	Records of wastewater diversions to S1008, S1009 [Basis: Cumulative Increase]	Y	

Table IV – G

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		

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

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

Table IV - HSource-specific Applicable RequirementsWASTEWATER JUNCTION BOXES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Wastewater (Oil-Water) Separator (6/15/94)	Ν	
Regulation 8,			
Rule 8			
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,	Standards of Performance for VOC Emissions from Petroleum	Ν	
Subpart QQQ	Refinery Wastewater Systems (8/18/95) [APPLIES ONLY TO J-BOXES DOWNSTREAM OF S400, S401 SUMPS]		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater junction boxes are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports,	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	performance test results, and inspections		
60.692-2	Junction boxes shall be equipped with a cover and may have an open	Y	
(b)(1)	vent pipe which is at least 3 feet in length and does not exceed 4 inches in diameter.		
60.692-2	Junction box covers shall have a tight seal around the edge and shall	Y	
(b)(2)	be kept in place at all times, except during inspection and maintenance.		
60.692-2	Junction box shall be visually inspected semiannually to ensure that	Y	
(b)(3)	the cover is in place and to ensure that the cover has a tight seal around the edge.		
60.692-2	If a broken seal or gap is identified, first effort at repair shall be	Y	
(b)(4)	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.		
60.692-2 (e)	Refinery wastewater routed through new process drains and a new first common downstream junction box, shall not be routed through	Y	
	a downstream catch basin.		
60.692-6(a)	Delays of repairs are allowed if the repair is technically impossible	Y	
	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	Y	
	refinery or process unit shutdown.		
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(2)	Record the location, date, and corrective action for inspections required by 60.692-2(b) when a broken seal, gap or other problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	

Table IV - HSource-specific Applicable RequirementsWASTEWATER JUNCTION BOXES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

Table IV – ISource-specific Applicable RequirementsWASTEWATER PROCESS SEWERS/SEWER LINES – S324 OIL/WATER SEPARATOR ONLY

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,	Standards of Performance for VOC Emissions from Petroleum		
Subpart	Refinery Wastewater Systems (8/18/95)		
QQQ			
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities	Y	
	constructed, modified, or reconstructed after May 4, 1987		
60.690(a)(2)	Wastewater process sewer lines are considered part of an individual	Y	
	drain system which is a separate affected facility		
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of	Y	
	startup, shutdown, or malfunction		
60.692-1(b)	Determine compliance through review of records and reports,	Y	
	performance test results, and inspections		
60.692-2	Sewer lines shall not be open to the atmosphere and shall be covered	Y	
(c)(1)	or enclosed in a manner with no visible gaps or cracks in joints,		
	seals.		
60.692-2	The portion of each unburied sewer line shall be visually inspected	Y	
(c)(2)	semiannually for indication of cracks, gaps, or other problems that		
	could result in VOC emissions		

Source-specific Applicable Requirements WASTEWATER PROCESS SEWERS/SEWER LINES - S324 OIL/WATER SEPARATOR ONLY Federally Future Applicable **Regulation Title or** Enforceable Effective Requirement **Description of Requirement** (Y/N)Date 60.692-2 Whenever cracks, gaps, or other problems are detected, repairs shall Y (c)(3)be made as soon as practicable, but not later than 15 calendar days after identification, except as provided in 60.692-6. 60.692-6(a) Delay of repairs are allowed if the repair is technically impossible Υ 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 Υ refinery or process unit shutdown. 60.697(a) Y Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ. 60.697(b)(3) Record the location, date, and corrective action for inspections Y 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 Y process unit shutdown, record the expected date of a successful repair. 60.697(e)(2) Y 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. 60.697(e)(3) The signature of the owner or operator whose decision it was that Y 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. Υ 60.697(f)(1) A copy of the design specifications for all equipment used to comply Y 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

Table IV – I

repairs or corrective actions taken

Table IV - JSource-specific Applicable RequirementsWASTEWATER GAUGING AND SAMPLING DEVICES

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

Table IV - KSource-specific Applicable RequirementsS294 – Non-RETAIL GASOLINE DISPENSING FACILITY

Annlinghla	Description Title on	Federally Enforceable	Future Effective
Applicable	Regulation Title or		
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Regulation 8,	Organic Compounds - Gasoline Dispensing Facilities (11/6/02)		
Rule 7			
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	Y	
	Guidelines or CARB Executive Order		
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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.13	Spitting Limit	YN	
8-7-302.14	Annual balance Phase II backpressure test	Y	
8-7-302.15	Annual vacuum assist Phase II test	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD	Gasoline throughput shall not exceed 400,000 gallons in any	Ν	

Table IV - KSource-specific Applicable RequirementsS294 – NON-RETAIL GASOLINE DISPENSING FACILITY

Condition 20989, Part

A

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

Table IV - K

Table IV – L.1Source-specific Applicable RequirementsS296 – C-1 FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation 12, -Rule 11			
12-11-401	Flare Data Reporting Requirements	Ν	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	Ν	
12-11-502	Vent Gas Composition Monitoring	Ν	
12-11-502.3	Vent Gas Composition Monitoring	Ν	
12-11-503	Pilot Monitoring	Ν	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	Ν	
12-11-506	General Monitoring Requirements	Ν	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	Ν	
12-11-507	Video Monitoring	Ν	
40 CFR	New Source Performance Standards – General Provisions	Y	
Part 60	(12/23/71)		
Subpart A			
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	

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

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

Table IV – L.2Source-specific Applicable RequirementsS398 – MP-30 FLARE

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

	S398 – MP-30 FLARE	Fadanalla	T (
Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
6-310	Particulate Weight Limitation	Y	2000
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation			
12, -Rule 11			
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	
12-11-507	Video Monitoring	N	
40 CFR	New Source Performance Standards – General Provisions	Y	
Part 60	(12/23/71)		
Subpart A			
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumstances	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	

Table IV – L.2Source-specific Applicable RequirementsS398 – MP-30 FLARE

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8,	Organic Compounds – Process Vessel Depressurization (1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	Ν	
8-10-302	Opening of Process Vessels	Ν	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	Ν	
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%	Ν	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	Ν	
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	Ν	
8-10-601	Monitoring Procedures	Ν	
SIP	Organic Compounds – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	l
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			

Table IV - MSource-specific Applicable RequirementsS300 – U-200 DELAYED COKER

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

Table IV - MSource-specific Applicable RequirementsS300 – U-200 DELAYED COKER

Table IV – N

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	Ν	
8-10-302	Opening of Process Vessels	Ν	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	Ν	
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%	Ν	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	Ν	
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	Ν	
8-10-601	Monitoring Procedures	Ν	
SIP Regulation 8, Rule 10	Organic Compounds – Process Vessel Depressurization (7/20/83)		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Requirement	process unit turnaround, and retained for at least 2 years and made	(1/1/)	Dutt
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
40 CFR 63,	National Emission Standards for Hazardous Pollutants for	Y	
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		
	[APPLICABLE TO S306 AND S308 ONLY]		
BAAQMD	APPLICABLE TO S307 ONLY		
Condition			
6671			
Part 1	Abatement requirement for E-421 condenser vent at A50 scrubber	Y	
	[Basis: Regulation 8-2-301]		
Part 2	Efficiency requirement for A50 scrubber raw material throughput	Y	
	[Basis: Regulation 8-2-301]		
Part 3	Requirement to treat A50 blowdown at wastewater treatment plant	Y	
	[Basis: Cumulative Increase]		
Part 4	Daily A50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
Part 6	Annual source test requirement [Basis: Regulation 2-6-409.2]		
BAAQMD	Throughput limits for S305, S306, S307, S435, S436, S437 [Basis:	Y	
Condition	2-1-234.3]		
20989, Part			
Α			
BAAQMD	Throughput limits for S308, S309, S318, S319 [Basis: 2-1-234.3]	Ν	
Condition			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
20989, Part			
Α			
BAAQMD	APPLICABLE TO S460 ONLY		
Condition			
21094			
Part 1	Daily throughput limit [Basis: Regulation 2-1-234]	Y	
Part 2	Throughput records [Basis: Regulation 2-1-234]	Y	
BAAQMD	APPLICABLE TO S304 ONLY		
Condition			
21095			
Part 1	Daily throughput limit [Basis: 2-1-234]	Y	
Part 2	Daily throughput records [Basis: 2-1-234]	Y	
BAAQMD	APPLICABLE TO S304, S460 ONLY		
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,	Y	
	Cumulative Increase, Toxic Management Policy]		
BAAQMD	[APPLICABLE TO S318 ONLY]		
Condition			
22549			
Part 1	Daily petroleum liquid throughput limit excluding diesel	Y	
	[Cumulative Increase]		

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

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

Table IV - OSource-specific Applicable RequirementsS350 – U-267 CRUDE DISTILLATION UNIT

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds – Vacuum Producing Systems (7/20/83)		
Regulation 8,			
Rule 9			
8-9-301	Vacuum Producing System POC emissions must be controlled by	Y	
	combustion or venting to fuel gas systems		
8-9-601	Determination of Emissions	Y	
BAAQMD	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	Ν	
8-10-302	Opening of Process Vessels	Ν	
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	

Table IV - OSource-specific Applicable RequirementsS350 – U-267 CRUDE DISTILLATION UNIT

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic Compounds – Process Vessel Depressurization (7/20/83)		
Regulation 8, Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 383			
Part 1a	Sulfur content limit in crude [Basis: Cumulative Increase]	Y	
Part 1b	Crude analysis requirement [Basis: Cumulative Increase]	Y	
Part 2	Daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Daily recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative Increase]	Y	
Part 4	Requirement for water seals [Basis: toxics, cumulative increase]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	

Table IV - OSource-specific Applicable RequirementsS350 – U-267 CRUDE DISTILLATION UNIT

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	Ν	
8-10-302	Opening of Process Vessels	Ν	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	Ν	
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.	Ν	
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	Ν	
8-10-601	Monitoring Procedures	Ν	
SIP	Organic Compounds – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3 BAAQMD	approximate quantity of POC emissions to atmosphere	Y	

Table IV - PSource-specific Applicable RequirementsS432 – U-215 DEISOBUTANIZER

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 6725			
Part 1	Flange, valve design requirements [Basis: Cumulative Increase]	Y	
Part 2	Vent collection requirement for relief valves [Basis: Cumulative Increase]	Y	
Part 3	Pump, compressor design requirements [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S432 [Basis: 2-1-234.3]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (7/17/06)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Ν	
2-1-501	Monitors	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	
Manual of	(1/20/82)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary		
Regulation 9,	Gas Turbines (9/21/94)		
Rule 9			
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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	
9-9-600	Manual of Procedures	Y	
9-9-601	NOx emissions: Manual of Procedures, Vol. IV, ST-13A or B	Y	
9-9-602	Oxygen emissions: Manual of Procedures, Vol. IV, ST-14	Y	
9-9-603	CEM: Manual of Procedures, Volume V	Y	
9-9-604	Determination of HHV and LHV	Y	
40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (10/2/90)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60, Subpart GG	Standards of Performance for Stationary Gas Turbines (1/27/82)		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMbtu/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	
60.334(b)	Fuel Sulfur Content	Y	
60.334(c)(2)	Excess Emissions – SO2	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S352 and S355 at A13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S353 and S356 at A14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S354 and S357 at A15 [Basis: BACT, Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified		
Condition 18629	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	

Table IV – Q.1Source-specific Applicable RequirementsS352 - COMBUSTION TURBINES353 - COMBUSTION TURBINES354 - COMBUSTION TURBINE

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (7/19/06)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	
Manual of	(1/20/82)		
Procedures,			

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
40 CFR 60,	Standards of Performance for Industrial-Commercial-		
Subpart Db	Institutional Steam Generating Units (3/13/00)		
60.40b(a)	Applicability	Y	
60.40b(c)	Affected facilities subject to Subpart J are subject to PM and NOx standards in Subpart Db and SO2 standards in Subpart J	Y	
60.40b(f)	Modification for the sole purpose of combusting gases containing TRS is not a modification	Y	
60.40b(j)	Units subject to Subpart Db are not subject to Subpart D	Y	
60.44b(a)	NOx Standard	Y	
60.44b(a)(4)(i)	NOx standard for duct burner used in combined cycle system for natural gas-firing only conditions	Y	
60.44b(e)	NOx standard for refinery-produced byproduct (i.e., fuel gas) with oil or natural gas combustion.	Y	
60.44b(f)	NOx standard for refinery-produced byproduct with oil or natural gas combustion may be determined on a case-by-case basis (based on 25 ppmv NOx standard for PSD Permit Condition 18629, Part IX.E).	Y	
60.44b(h)	NOx standard applicable at all times	Y	
60.44b(i)	30-day rolling average	Y	
60.46b	Compliance/Performance test Methods for NOx	Y	
60.46b(b)	NOx standard applicable at all times		
60.48b	Emission Monitoring for NOx		
60.48b(b)(1)	Install, calibrate, and operate CEM and record output for measuring NOx discharges	Y	
60.48b(c)	Record data during all periods of operation of CEM except during breakdown and repairs	Y	
60.48b(d)	Continuous NOx monitors measure 1-hr average emission rates	Y	
60.48b(e)	Complies with 60.13	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.48b(e)(2)	Span values for NOx	Y	
60.48b(e)(3)	Span values for NOx rounded to nearest 500 ppm	Y	
60.48b(f)	Standby monitoring system and test methods	Y	
60.48b(g)	NOx CEM requirements for units with 250 MMbtu/hr heat input capacity or less	Y	
60.48b(g)(1)	NOx CEM requirements for units with 250 MMbtu/hr heat input capacity or less	Y	
60.48b(h)	NOx CEM not required if subject to §60.44b(a)(4) for natural gas firing-only conditions	Y	
60.49b	Reporting and Recordkeeping	Y	
60.49b(d)	Record amounts of each fuel combusted/day and calculate annual capacity factors at a 12-month rolling average	Y	
60.49b(g)	Recordkeeping – NOx data	Y	
60.49b(h)	Excess emission reports	Y	
60.49b(h)(2)(i)	Combusts natural gas, distillate oil, or residual oil with nitrogen content of 0.3 weight percent or less – for natural gas firing-only conditions	Y	
60.49b(h)(2)(ii)	Heat input capacity of affected units is 250 MMbtu/hr or less and NOx CEM is required under 60.48b(g)(1)	Y	
60.49b(h)(4)	Excess emission definition	Y	
60.49b(i)	Reports of 60.49b(g) data	Y	
60.49b(o)	Records retained for 2 years	Y	
60.49b(v)	Electronic quarterly reports	Y	
60.49b(w)	Semi-annual reports	Y	
40 CFR 60, Subpart J	Standards of Performance for Petroleum Refineries (10/2/90)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	combustion		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
BAAQMD			
Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S352 and S355 at A13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S353 and S356 at A14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S354 and S357 at A15 [Basis: BACT, Cumulative Increase]	Y	
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis: Cumulative Increase]	Y	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified		
Condition	5/26/89. The basis for each section is PSD.		
18629			
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MMbtu/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MMbtu/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part	total sulfur concentration in each fuel gas sample	Y	

Table IV – Q.2Source-specific Applicable RequirementsS355 – SUPPLEMENTAL DUCT BURNERS FOR S352S356 – SUPPLEMENTAL DUCT BURNERS FOR S353S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
IX.G.3.a.(1)			
Part	daily average sulfur content in fuel gas, daily average SO2 mass	Y	
IX.G.3.a.(2)	emission rate, total ton/yr of SO2		
Part IX.G.3.b	excess SO2 emissions	Y	
Part IX.G.3.c	excess SO2 emissions during startups, shutdowns and	Y	
	malfunctions		
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	

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

Table IV - RSource-specific Applicable RequirementsS376 - TOOL ROOM COLD CLEANERS377 – MACHINE SHOP COLD CLEANERS378 – AUTO SHOP COLD CLEANER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds – Solvent Cleaning Operations (10/16/02)		
Regulation 8,			
Rule 16			
8-16-201	Definitions	Y	
8-16-303	Cold Cleaner Requirements	Ν	
8-16-303.1	General Operating Requirements	Ν	
8-16-303.3.1	Operate and maintain in proper working order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	

Table IV - RSource-specific Applicable RequirementsS376 - TOOL ROOM COLD CLEANERS377 – MACHINE SHOP COLD CLEANERS378 – AUTO SHOP COLD CLEANER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16-	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
303.1.4(a)			
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be	Ν	
	Removed		
8-16-303.1.6	Solvent Spray Requirements	Ν	
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	Ν	
8-16-303.3	Cold Cleaner General Equipment Requirements	Ν	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Ν	
8-16-303.3.3	Used Solvent Returned to Container	Ν	
8-16-303.3.4	Label Stating Operating Requirements	Ν	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance	Ν	
	Cleaning		
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely	Ν	
	methylated siloxane (VMS)		
8-16-501	Solvent Records	Ν	
8-16-501.2	Facility-wide Annual Solvent Usage Records	Ν	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe	Ν	
	Cleaning		
8-16-501.5	Records Retained for Previous 24 Month Period	Ν	
SIP	Organic Compounds – Solvent Cleaning Operations (6/15/94)		
Regulation 8,			
Rule 16			
8-16-303	Cold Cleaner Requirements	Y – note 1	
8-16-303.1	General Operating Requirements	Y-note 1	
8-16-303.1.4	Waste Solvent Disposal	Y-note 1	
8-16-	Covered Containers for Waste Solvent Awaiting Pick-up	Y-note 1	
303.1.4(a)			

Table IV - RSource-specific Applicable RequirementsS376 - TOOL ROOM COLD CLEANERS377 – MACHINE SHOP COLD CLEANERS378 – AUTO SHOP COLD CLEANER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be	Y-note 1	
	Removed		
8-16-303.1.6	Solvent Spray Requirements	Y – note 1	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y – note 1	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y – note 1	
8-16-303.3.3	Used Solvent Returned to Container	Y – note 1	
8-16-303.3.4	Label Stating Operating Requirements	Y – note 1	
8-16-501	Solvent Records	Y-note 1	
8-16-501.2	Facility-wide Quarterly Solvent Usage Records	Y – note 1	
BAAQMD			
Condition			
16677			
Part 1	Net usage of citrus-based solvent at S376, S377 and S378 shall not	Y	
	exceed 150 gallons each in any consecutive 12-month period.		
	[Basis: Cumulative Increase]		
Part 2	Criteria for using solvents other than based solvents.	Y	
	[Basis: Cumulative Increase and Toxic Risk Screen]		
Part 3a, 3b,	Recordkeeping requirements.	Y	
3c	[Basis: Cumulative Increase and Toxic Risk Screen]		

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.

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds-Marine Tank Vessel Operations (12/7/05)		Dutt
Regulation 8,	organic compounds marine runk vesser operations (12/7/03)		
Rule 44			
8-44-110	Exemption: loading events	N	
8-44-111	Exemption: marine vessel fueling	Ν	
8-44-115	Exemption, Safety/Emergency Operations	Ν	
8-44-116	Limited Exemption, Equipment Leaks	Ν	
8-44-301	Limitations on Marine Tank Vessel Loading and Lightering (until	Ν	
	1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil)		
8-44-301	Limitations on Marine Tank Vessel Loading and Lightering (after 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil and any other organic compound or mixture of organic compounds that exists as a liquid at actual conditions of use or storage that has a flash point less than 100 degrees F)	N	1/1/07
8-44-302	Limitations on Marine Tank Vessel Ballasting (until 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil)	Ν	
8-44-302	Limitations on Marine Tank Vessel Ballasting (after 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil and any other organic compound or mixture of organic compounds that exists as a liquid at actual conditions of use or storage that has a flash point less than 100 degrees F)	N	1/1/07
8-44-303	Limitations on Marine Tank Vessel Venting (until 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil)	Ν	
8-44-303	Limitations on Marine Tank Vessel Venting (after 1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil and any other organic compound or mixture of organic compounds that exists as a liquid at actual conditions of use or storage that has a flash point less than 100 degrees F)	N	1/1/07
8-44-304	Emission Control Requirements	Ν	
8-44-305	Equipment Leaks	Ν	
8-44-305.2	Leak requirements for marine vessels	Ν	
8-44-305.3	Inspection requirements during operation	Ν	1/1/07

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
<u>SIP</u>	Organic Compounds-Marine Vessel Loading Terminals (8/30/93)	<u>Y</u>	
Regulation 8, Rule 44			
	Francetion la dina consta	V	
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-301	Marine Terminal Loading Limit	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lb per 1000 bbl) of organic liquid loaded, or	Y	
8-44-301.2	POC emissions reduced 95% by weight from uncontrolled conditions	Y	
8-44-302	Emission control equipment	Y	
8-44-303	Operating practice	Y	
8-44-304	Equipment Maintenance	Y	
8-44-304.1	Certified leak free, gas tight and in good working order	Y	
8-44-304.2	Loading ceases any time gas or liquid leaks are discovered	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other rules	Y	
8-44-402.2	Rule does not prevent act/omission for vessel safety or saving life at sea	Y	
8-44-305	Ozone excess day prohibition	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
40 CFR 60	General Provisions (03/16/1994)	1	
Subpart A			
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)	1	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	Appendix A to Part 60 – Test Methods	Y	
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for Source Categories	Y	
NESHAPS Part 63 Subpart Y	National Emission Standards for Marine Tank Vessel Loading Operations		
63.560(a)	Maximum Achievable Control Technology (MACT) applicability	Y	
63.560(a)(2)	MACT does not apply to existing sources with emissions < 10 or 25 tons	Y	
63.560(a)(3)	Record keeping in $63.567(j)(4)$ and emission estimation in $63.565(l)$ apply to existing sources < 10 and 25 tons	Y	
63.565(l)	Emission estimation procedures	Y	
63.567(j)(4)	Retain records of emission estimates per 63.565(l), and actual throughputs, by commodity, for 5 years	Y	
BAAQMD Condition 4336			
Part 1	A420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	Monitoring requirements [Basis: Cumulative Increase]	Y	
Part 3	Prohibition against loading without A420 in service [Basis: Cumulative Increase]	Y	
Part 4	Leak test requirement [Basis: Cumulative Increase]	Y	

Table IV - SSource-specific Applicable RequirementsS425 – MARINE LOADING BERTH M1S426 – MARINE LOADING BERTH M2

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

Table IV - TSource-specific Applicable RequirementsS450 – GROUNDWATER EXTRACTION TRENCHES

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

Table IV – U

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

	02 - MOLTEN SULFUR FTT 250 AND S505 - MOLTEN	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	(2/2/)	2000
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Ν	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).	N	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9, Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y – note 1	
40 CFR 63,	National Emission Standards for Hazardous Pollutants for	Y	
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		
BAAQMD			
Condition			
19278			
Part 3	Annual source test to verify SO3 and H2SO4 exhaust	Y	

Table IV – U

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	concentrations. [Basis: Regulation 6-330]		
Part 4	Visible emissions monitoring for particulate [Basis: Regulation	Y	
	2-6-503]		
BAAQMD	Throughput limits for sources S1001, S1002, S1003, S301, S302,	Ν	
Condition	S303 [Basis: 2-1-234.3]		
20989, Part			
Α			
BAAQMD	APPLICABLE TO S1002, S1003 ONLY		
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,	Y	
	Cumulative Increase, Toxic Management Policy]		

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.

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10		N	
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	Ν	
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%	Ν	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	Ν	
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	Ν	
8-10-601	Monitoring Procedures	Ν	
SIP	Organic Compounds – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	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:		
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			

Table IV – VSource-specific Applicable RequirementsS370 – ISOMERIZATION UNIT 228

Table IV – VSource-specific Applicable RequirementsS370 – ISOMERIZATION UNIT 228

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition			
12121			
Part 1	Daily feed rate limit [Basis: Cumulative Increase]	Y	
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for S370 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
Α			

Table IV – WSource-specific Applicable RequirementsS380 – ACTIVATED CARBON SILO (P-204)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Condition			
18251			
Part 1a	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1- 441]	Y	
Part 2b	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	
BAAQMD	Throughput limits for S380 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			

Table IV – WSource-specific Applicable RequirementsS380 – ACTIVATED CARBON SILO (P-204)

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

Table IV – XSource-specific Applicable RequirementsS389 – DIATOMACEOUS EARTH SILO (F-214)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Condition			
18251			
Part 1b	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1- 441]	Y	
Part 2c	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	
BAAQMD	Throughput limits for S389 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
Α			

Table IV – YSource-specific Applicable RequirementsS462 – U-215 Fuel Gas Caustic Treatment SystemS463 – U-215 BUTANE CAUSTIC TREATMENT System

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

		Fug	itive Sourc	Table IV- es: Applica		irements			
Process Unit	BAAQMD Regulation 8, Rule 18	BAAQMD Regulation 8, Rule 28	NSPS Part 60, Subpart GGG; BAAQMD Regulation 10, Rule 59	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10, Rule 69	NSPS Part 60, Subpart VV; BAAQMD Regulation 10, Rule 52	NESHAPS Part 61, Subpart J	NESHAPS Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12	NESHAPS Part 61, Subpart V; BAAQMD Regulation 11, Rule 7	NESHAPS Part 63, Subpart CC
Refinery-wide applicability	Y	Y	N	N	N	N	Report only	N	Y
Specific Unit applicability									
U76 Gasoline/Mid Barrel Blending Unit (S318)	Y	Ν	Y	N	Y	N	N	N	Y
Unit 267 (S350)	Y	Y	Y	N	Y	N	N	N	Y
Unit 228 (S370)	Y	Y	Y	N	Y	N	N	N	Y
Hydrogen Manufacturing Unit (S437)	Y	Y	Y	N	Y	N	N	N	Y
Unit 100 (S195, S196, S324, S388, S1007)	Y	Y	N	Y	N	N	N	N	Y
Unit 233 (\$338)	Y	Y	NA	NA	NA	NA	NA	NA	NA

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Equipment Leaks (11/27/02)	(_/_ ()	
Regulation 8,	••••••••••••••••••••••••••••••••••••••		
Rule 18			
8-18-100	General/Applicability	Y	
8-18-200	Definitions	Y	
8-18-301	General Standard	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	Y	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	Y	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	Y	
8-18-403	Visual inspection schedule	Y	
8-18-404	Alternate inspection schedule	Y	
8-18-405	Alternate inspection reduction plan	Y	
8-18-406	Interim Compliance	Y	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum		
Regulation 8,	Refineries and Chemical Plants (3/18/98)		
Rule 28			
8-28-100	General/Applicability	Y	
8-28-200	Definitions	Y	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum	Y	
	Refineries		
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	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-28-405	Prevention Measures Procedures	Y	
NSPS, Subpart			
VV, applies to the			
S350 crude unit,			
S370			
isomerization			
unit, S437			
hydrogen plant			
40 CFR 60,	Standards of Performance for Equipment Leaks (Fugitive	Y	
Subpart VV;	Emission Sources) (8/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-52	(12/20/95)		
60.480	Applicability	Y	
60.481	Definitions	Y	
60.482-1	General Standards	Y	
60.482-2	Pump Standards:	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-1(c), 60.482-2(d), (e), or (f)	Y	
60.482-2(a)(2)	Weekly visual inspection of each pump, except for (e), (f), or (g)	Y	
60.482-2(b)	Air measurement >10,000 ppm or dripping liquid indicates leak	Y	
60.482-2(c)	Pump leak repair period	Y	
60.482-2(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2(e)	No detectable emission designation: <500 ppm	Y	
60.482-2(f)	Requirements for Closed Vent Systems	Y	
60.482-3	Compressor Standards	Y	
60.482-4	Requirements for Pressure Relief Devices in gas/vapor service	Y	
60.482-5	Requirements for Sampling connecting systems	Y	
60.482-6	Requirements for Open-ended valves or lines	Y	
60.482-7	Valve Standards:	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then	Y	
	monitor first month of each quarter. If leak >10,000 ppm is detected,		
	resume monthly monitoring		
60.482-7(d)	Valve leak repair period	Y	
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	

COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED) Federally Future				
Annliaghla	Regulation Title or	Federally Enforceable	Effective	
Applicable	Description of Requirement	(Y/N)	Date	
Requirement	Designated no-emissions (<500 ppm) valves with no external	(1/N) Y	Date	
60.482-7(f)	actuating mechanisms in contact with process fluid, may revert to	Ŷ		
60.482-8	annual monitoring, or that requested by the Administrator	Y		
00.482-8	Valves in heavy liquid service, pressure relief devices in light liquid	Ŷ		
60.482.0(h)	or heavy liquid service, and connectors	Y		
60.482-9(b)	Repair may be delayed for isolated equipment	Y		
$\frac{60.482-9(d)(1)}{(0.482-9(d)(2))}$	Only dual-mechanical seal pumps qualify for delay of repair			
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y		
60.482-9(b)	Repair may be delayed for isolated equipment	Y		
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y		
60.483-1,	If a process unit has 5 consecutive quarters with <2% of valves	Y		
60.483-2, and	leaking at >10,000 ppm, then any individual valve which measures			
BAAQMD	<100 ppm for 5 consecutive quarters may be monitored annually			
8-18-404.1				
60.485	Test Methods and Procedures	Y		
60.486	Record keeping	Y		
60.487	Reporting	Y		
NSPS, Subpart				
GGG, applies to				
the S350 crude				
unit, S370				
isomerization				
unit, S437				
hydrogen plant				
40 CFR 60,	Standards of Performance for Equipment Leaks (Fugitive			
Subpart GGG;	Emission Sources) (5/30/84);			
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources			
Regulation 10-59	(4/19/89)			
60.590	Applicability	Y		
60.591	Definitions	Y		
60.592	Subject to provisions of Part 60, Subpart VV	Y		
60.593	Exceptions	Y		
BAAQMD	Incorporates by reference 40 CFR 60, Subpart GGG	Y		
Regulation 10-59				

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS, Subpart			
QQQ, applies to the S1007			
dissolved air			
flotation unit and			
the S324 DAF			
unit.			
40 CFR 60,	Standards of Performance for VOC Emission From Petroleum		
Subpart QQQ;	Refinery Wastewater Systems (7/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-69	(12/20/95)		
60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants from	Y	
Subpart CC	Petroleum Refineries		
63.640(a)	Applicability	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks.	Y	
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less	Y	
	stringent monitoring frequency		
63.648(d)	New sources	Y	
63.648(e)	Equipment leak standards - reciprocating pumps in heavy liquid	Y	
	service		
63.648(f)	Equipment leak standards – reciprocating pumps in light liquid	Y	
	service		
63.648(g)	Equipment leak standards – compressors in hydrogen service	Y	
63.648(h)	Keep records for 5 years	Y	
63.648(i)	Equipment leak standards – reciprocating compressors	Y	
63.654(d)	Record keeping and reporting	Y	

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

Table IV – BB.1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANK® WITH VAPOR RECOVERY TO FUEL GAS S433 (F224-MOSC)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD • Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR SLUDGE DEWATERING UNITS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8- 302, 8-8-306, 8-8-308	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 60,	Standards of Performance for VOC Emissions from Petroleum		
Subpart QQQ	Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	

Table IV – BB.1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S433 (F224-MOSC)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.691	Definitions: Closed Vent System. If gas or vapor from regulated equipment are routed to a process (e.g., petroleum refinery fuel gas system), the process shall not be considered a closed vent system and is not subject to the closed vent system standards.	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 7353	APPLICABLE TO S433		
Part 1	Requirement to vent tank to fuel gas system [Basis: Cumulative Increase]	Y	
Part 2	Valve, pump design requirements [Basis: Cumulative Increase]	Y	
Part 3	Limitation on material stored [Basis: Cumulative Increase]	Y	
Part 4	Annual throughput limit [Basis: Cumulative Increase]	Y	

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)

	5455 (F 224-IVIUSC)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Weekly throughput records [Basis: Recordkeeping]	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

	5110 (TANK 105)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	vessels – Keep records specified in 40 CFR 63.123		
63.654(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S118 [Basis: 2-1-234.3]	N	

Table IV – BB.3 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks < 10,000 Gallons S117 (Tank 162), S193 (Tank 305), S194 (Tank 306)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8,	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S117, S193, S194 [Basis: 2-1-234.3]	N	

Table IV – BB.4Source-Specific Applicable RequirementsLow VAPOR PRESSURE PERMITTED TANKSVENTED TO FUEL GASS238 (TANK 211), S239 (TANK 212)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	ЕХЕМРТ		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL		
	GAS		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S238, S239 [Basis: 2-1-234.3]	N	

Table IV – BB.5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

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

Table IV – BB.5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

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

Table IV – BB.5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS

S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS,		
	Subpart Kb		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage	Y	
	Vessels-Existing Group 1 or Group 2 also subject to Kb only subject to		
	Kb and 63.640(n)(8).		
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage	Y	
	Vessels-Additional requirements for Kb storage vessels		
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S195, S196, S388 [Basis: 2-1-234.3]	Y	

Table IV – BB.6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS121 (TANK 166)

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

Table IV – BB.6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	

Table IV – BB.6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.4	Primary seal requirements; Resilient-toroid seal requirements including seal gaps	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	

Table IV – BB.6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS121 (TANK 166)

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

Table IV – BB.7

Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8,	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	

Table IV – BB.7Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243),S451 (TANK 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984		

1

IV. Source Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(12/14/2000) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels $>$ or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks- > 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	primary seal requirements		
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and Procedures; External floating roofroof or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 63, Subpart	National Emission Standards for Hazardous Pollutants for		
CC	Petroleum Refining (8/18/95) REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS, Subpart Kb	17	
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(i)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(vi)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
BAAQMD	APPLICABLE TO S439		
Condition 12124			
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	APPLICABLE TO S440		
Condition 12125			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12127	APPLICABLE TO S442		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S444		
Condition 12129		ļ	
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	APPLICABLE TO S451		
Condition 19476		ļ	
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Tank design requirements [Basis: BACT, Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

Applicable		Federally	Future
Applicable Boggingmont	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S106)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S106)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S106)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	

egulation Title or escription of Requirement spection Requirements for External Floating Roof Tanks; Primary ad Secondary Seal Inspections spection Requirements for External Floating Roof Tanks; Tank titings Inspections spection Requirements for Pressure Vacuum Valves (applies only \$106) ertification formation required ecords ecords; Type and amounts of liquid; true vapor pressure; Retain 24 onths ecords; Internal and External Floating Roof Tanks; Seal eplacement Records – Retain 10 years ortable hydrocarbon detector nalysis of Samples, True Vapor Pressure etermination of Applicability ressure Vacuum Valve Gas Tight Determination (applies only to 106)	Federally Enforceable (Y/N)YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	Future Effective Date
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rganic Compounds, Wastewater (Oil-Water Separators) /15/1994)		
EQUIREMENTS FOR WASTEWATER SEPARATORS		
tandards: Wastewater Separators Larger than or Equal to 18.9 iters per second (300 gal per min)	Y	
tandards: Wastewater Separators Larger than or Equal to 18.9 iters per second (300 gal per min); Floating roof tank with double eals	Y	
tandards: Wastewater Separators Larger than or Equal to 18.9 iters per second (300 gal per min); Floating roof tank with double eals – liquid mounted primary seal gap criteria	Y	
tandards: Wastewater Separators Larger than or Equal to 18.9 iters per second (300 gal per min); Floating roof tank with double eals – secondary and wiper seals gap criteria	Y	
tandards: Wastewater Separators Larger than or Equal to 18.9 iters per second (300 gal per min); Floating roof tank with double	Y	
tandards: Gauging and Sampling Devices	Y	
Ionitoring and Records: Inspection and Repair Records	Y	
Ionitoring and Records: Portable Hydrocarbon Detector	Y	
Ianual of Procedures: Inspection Procedures	Y	
t 	andards: Wastewater Separators Larger than or Equal to 18.9 iters per second (300 gal per min); Floating roof tank with double als – primary and secondary seal gap inspection candards: Gauging and Sampling Devices tonitoring and Records: Inspection and Repair Records tonitoring and Records: Portable Hydrocarbon Detector lanual of Procedures: Inspection Procedures andards of Performance for Storage Vessels for Volatile rganic Liquid Storage Vessels for Which Construction,	andards: Wastewater Separators Larger than or Equal to 18.9 Y iters per second (300 gal per min); Floating roof tank with double Y ials – primary and secondary seal gap inspection Y contoring and Records: Inspection and Repair Records Y conitoring and Records: Portable Hydrocarbon Detector Y lanual of Procedures: Inspection Procedures Y andards of Performance for Storage Vessels for Volatile Y

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
60.110b(a)	TANKSApplicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks- > 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
	Description of Requirement	(Y/N)	Date
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below	Y	
	liquid surface except p/v valves and vacuum breaker vents		
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
	seals, lids		
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
	seals, lids – Gap requirements		
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
	seals, lids - Inaccessible openings on internal floating roof tanks		
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells		
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Projection below the liquid surface		
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Cover, seal, or lid		
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Gap between the well and the roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
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;	Y	
	Geometry of shoe		
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements;	Y	
	Gaps for welded tanks		
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	Y	
	installed after 2/1/93		
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of $<10,000$ ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks	Y	
0 0-702.1	and Secondary Seal Inspections – Seal gaps	1	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual	Y	
0.0 102.2	Inspection of Outer Most Seal	1	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank	Y	
5 5 102.5	Fitting Inspection	1	

Applicable Requirement	Regulation Title or	Federally Enforce- able	Future Effective
Kequitement	Description of Requirement	(Y/N)	Date
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks- > 151 cu m with maximum TVP >=5.2 kPa and <76.6; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and <76.6 kPa	Y	
60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC); Fixed roof with internal floating roof option	Y	
60.112b(a)(1)(i)	Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements	Y	
60.112b(a)(1)(ii)(B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	Y	
60.112b(a)(1)(iii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings-projections below roof surface	Y	
60.112b(a)(1)(iv)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings covers	Y	
60.112b(a)(1)(v)	Standard for Volatile Organic Compounds (VOC); Internal floating roof automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Standard for Volatile Organic Compounds (VOC); Internal floating roof rim space vents	Y	
60.112b(a)(1)(vii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof sampling penetrations	Y	
60.112b(a)(1)(viii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof support column penetrations	Y	
60.112b(a)(1)(ix)	Standard for Volatile Organic Compounds (VOC); Internal floating roof ladder penetrations	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
60.113b(a)(1)	Testing and Procedures; Internal floating roof visual inspection before filling. Repair any defects found during inspection before filling.	Y	
60.113b(a)(2)	Testing and Procedures; Internal floating roof tanks with liquid mounted or mechanical shoe primary seal, annual visual inspection through manholes and hatches (if complying with 40 CFR 60.113b(a)(3)(ii))	Y	
60.113b(a)(3)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements	Y	
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements - visually inspect per 40 CFR 60.113b(a)(2) annually and per 40 CFR 60.113b(a)(4) every 10 years.	Y	
60.113b(a)(4)	Testing and Procedures; Internal floating roof inspection requirements each time tank is emptied and degassed (10 year intervals if complying with 40 CFR 60.113b(a)(3)(ii))	Y	
60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof tanks	Y	
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subpart Kb		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(1)	Applicability and Designation of Storage Vessels Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	

Table IV – BB.9 Source-Specific Applicable Requirements NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	Storage Vessels-Additional requirements for Kb storage vessels	(2/1/)	2400
63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
BAAQMD Condition 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S126 and S258)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S126 and S258)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S126 and S258)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	gauging wells; Projection below the liquid surface		
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93 – note 2	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of $<10,000$ ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S126 and S258)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S126 and S258)	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 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 roofMust float on liquid	Y	
63.119(b)(1)(i)	Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except during initial fill	Y	
63.119(b)(1)(ii)	Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except after completely emptied and degassed	Y	
63.119(b)(1)(iii)	Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except when completely emptied before refilling	Y	
63.119(b)(2)	Storage Vessel Provisions Reference Control Technology Internal Floating Roof Operations, when not floating	Y	
63.119(b)(3)	Storage Vessel Provisions Reference Control Technology Internal floating roof – seals; must have at least one seal	Y	
63.119(b)(3)(i)	Storage Vessel Provisions Reference Control Technology Internal floating roof – seal option; single liquid-mounted seal	Y	
63.119(b)(3)(ii)	Storage Vessel Provisions Reference Control Technology Internal floating roof - seal option; single metallic shoe seal	Y	
63.119(b)(3)(iii)	Storage Vessel Provisions Reference Control Technology Internal floating roof - seal option; double seal, lower can be vapor mounted	Y	
63.119(b)(4)	Storage Vessel Provisions Reference Control Technology Internal floating roof – automatic bleeder valve requirements	Y	
63.120(a)	Storage Vessel Provisions Procedures to Determine Compliance Compliance DemonstrationInternal floating roof	Y	
63.120(a)(1)	Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspection schedule	Y	
63.120(a)(3)	Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspections – tanks with double seals	Y	
63.120(a)(3)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	definition of failure		
63.654(g)(2)(i)(B)	Periodic Reporting and Recordkeeping Requirements—internal floating roof tanks - submit results of each tank inspection where failure is detected in control equipment – annual inspection report; Periodic Report requirements	Y	
63.654(g)(2)(i)(C)	Periodic Reporting and Recordkeeping Requirements—internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection report; extension documentation	Y	
63.654(g)(2)(ii)	Periodic Reporting and Recordkeeping Requirements- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report	Y	
63.654(g)(2)(ii)(A)	Periodic Reporting and Recordkeeping Requirements- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report; definition of failure	Y	
63.654(g)(2)(ii)(B)	Periodic Reporting and Recordkeeping Requirements- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report; Periodic report requirements	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S126, S257, S258 [Basis: 2-1-234.3]	Ν	

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.11Source-Specific Applicable RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS135 (Tank 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

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

Table IV – BB.11Source-Specific Applicable RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS135 (Tank 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR FIXED ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 60.485(b) (Subpart VV)	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating planefficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating planmonitoring 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	

Table IV – BB.11Source-Specific Applicable RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS135 (Tank 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refineries (06/12/1996) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD	APPLICABLE TO S449		
Condition 11219			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12130	APPLICABLE TO S445		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S360 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 22518	APPLICABLE TO S135		
Part 1	Vapor pressure limit [Cumulative increase]	Y	
Part 3	Throughput limit [Cumulative increase]	Y	
Part 4	Control requirement [Cumulative increase]	Y	
Part 5	Prohibition on tank cleaning when switching products [Cumulative increase]	Y	

Table IV – BB.12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

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

Table IV – BB.12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000)		
	REQUIREMENTS FOR FIXED ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 60.485(b) (Subpart VV)	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.112b(b)	Standard for Volatile Organic Compounds (VOC); Requirements for tanks >= 75 cu m and maximum TVP >= 76.6 kPa (11.1 psia)	Y	
60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option per 40 CFR60.112b(a)(3)	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating planefficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating planmonitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and	Y	

Table IV – BB.12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
Requirement	control device (not flare)	(1/11)	Date
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 12131	APPLICABLE TO S446		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S447		
Condition 12132			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

Table IV – BB.13

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement BAAQMD	Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02)	(Y/N)	Date
Regulation 8, Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	

Table IV – BB.13

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

Table IV – BB.13

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
Keyun ement	Fittings Inspections		Date
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
40 CFR 63,	SOCMI HON G (01/27/1995)		
Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 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 roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	

Table IV – BB.13

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except after		
	completely emptied and degassed		
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except when		
	completely emptied before refilling		
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	Y	
	External Floating Roof Operations, when not floating		
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-Compliance DemonstrationExternal floating roof		
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR seal gap measurement		
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR with double seals - primary seal gap measurement - 5		
	year intervals		
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR with double seals - secondary seal gap measurement -		
	annual requirement		
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
(2,120/1)(2)()	-External FR seal gap determination methods		
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR seal gap determination methods – roof not resting on		
(2, 120(1)(2)(1))	legs	V	
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length		
	of gaps		
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(2)(11)	-External FR seal gap determination methods – determine total	1	
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
05.120(0)(5)	-External FR primary seal gap calculation method – total surface	1	
	area of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR secondary seal gap calculation method – total surface	-	
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		

Table IV – BB.13

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
•	diameter. Maximum width <= 1.27 cm		
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance -External FR unsafe to perform seal measurements or inspect the tank	Y	
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 63.120(b)(7)(ii)	Y	
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR and seals visual inspection each time emptied	Y	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR and seal visual inspection each time emptied – Repair	Y	

Table IV – BB.13

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

Table IV – BB.13

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	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(1)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.654(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.654(f)(1)(i)(A) (1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	

Table IV – BB.13

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S97, S100, S107, S110, S111, S112, S114, S115, S122, S128, S177, S254, S255, S256, S259 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S129, S150, S151, S178 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 22478			
Part 1	Vapor pressure limit for S123 [Basis: cumulative increase]	Y	
Part 2	Emissions limit for S124 [Basis: cumulative increase]	Y	
Part 3	Emissions limit for S186 [Basis: cumulative increase]	Y	
Part 5	Throughput limit for S123 [Basis: cumulative increase]	Y	
Part 7	BACT equipment requirements for S123, S124, S186, and S334 [Basis: BACT, cumulative increase]	Y	
Part 8	Emission calculations for S124 and S186 [Basis: cumulative increase]	Y	

Table IV – BB.14Source-Specific Applicable RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S334 (TANK 107),NSPS K - S341 (TANK 107),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1)1)	2.000
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	

Table IV – BB.14Source-Specific Applicable RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S334 (TANK 107),

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

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

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
riequii entente	Retain 24 months	(2/2/)	2.000
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement	Y	
0.5.501.2	Records - Retain 10 years	1	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
		1	
40 CFR 60, Subpart K	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction,		
Subpart K	Reconstruction, or Modification Commenced After June 11,		
	1973, and Prior to May 19, 1978 (4/4/1980)		
	APPLIES TO S334 (Tank 107)		
(0, 110(a))		V	
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y Y	
60.110(c)(2)	Applicability and Designation of Affected Facility>65,000 gal after	Ŷ	
	6/11/1973 and before 5/19/1978.		
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,	Standards of Performance for Storage Vessels for Volatile		
Subpart Ka	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,	SOCMI HON G (01/27/1995)		
Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
(u)(1)	1, TVP < 76.6 kPa	-	
63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
(1)	External floating roof	-	
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology	Y	
05.117(0)(1)	External floating roof seals	1	
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof double seals required		
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof primary seal requirements – metallic shoe or	1	
	liquid-mounted		
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
····	External floating roof seal requirements	1	

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

		Federally	T (
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roofMust float on liquid		
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except during initial fill		
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except after completely		
	emptied and degassed		
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except when		
	completely emptied before refilling		
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	Y	
	External Floating Roof Operations, when not floating		
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap measurement		
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR with double seals - primary seal gap measurement - 5		
	year intervals		
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods		
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods - roof not resting on		
	legs		
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods - measure gaps around		
	entire circumference of seal and measure width and length of gaps		
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods – determine total		
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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		

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

		Federally	Future
		Enforce-	
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
(2, 120(1)(5)(1))	External FR primary seal additional requirements	V	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – metallic shoe	Y	
63.120(b)(5)(ii)	seal – shoe geometry Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(3)(11)	External FR primary seal additional requirements – no holes, tears,	I	
	or openings		
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
00.120(0)(0)	External FR secondary seal requirements	-	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements – location and extent		
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements - no holes, tears or		
	openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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)		
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap measurement 30 day notification		
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
(2.120(1)(10)(1)	External FR and seals visual inspection each time emptied		
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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)		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	1
	External FR and seal visual inspection each time emptied – 30 day		
	notification		

Table IV – BB.14Source-Specific Applicable RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S334 (TANK 107),

		Federally	_
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied		
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (06/12/1996)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS Subparts K OR Ka		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(5)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage Vessels— Group 1 vessel also subject to NSPS, Subparts K		
	or Ka only subject to 63 Subpart CC		
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
	group determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method	Y	
	18 to resolve disputes		
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
	vessels [EFRs exempt from 63.119(c)(2)]		
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	Y	
	inspection requirements of 63.120 of Subpart G – Not required to		
	comply with provisions for gaskets, slotted membranes, and sleeve		
	seals.		
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-	Y	
	Covers or lids closed except when in use		
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim	Y	
	space vents requirements		
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
	Automatic bleeder vents requirements		
63.646(l)	Storage Vessel Provisions-State or local permitting agency	Y	
	notification requirements		

Table IV – BB.14Source-Specific Applicable RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S334 (TANK 107),

		Federally	Future
A	Description Title on	Enforce-	
Applicable Bassisses and	Regulation Title or	able	Effective
Requirement 63.654(f)	Description of Requirement	(Y/N) Y	Date
03.034(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Ŷ	
63.654(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
05.054(1)(1)	status report requirements	1	
63.654(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements-Reportingstorage vessels	1	
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements-Reportingstorage vessels		
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
(1)	status report requirements-Reportingstorage vessels		
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
	source]		
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs		
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs-document results of each seal		
(2,(5,4(-))(2)())	gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
(2, (5, 4)(2))(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3	vessels with external floating roofs – extension documentation Periodic Reporting and Recordkeeping Requirements-storage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	I	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
05.054(1)(2)	vessel notification of inspections.	1	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections – refilling Group 1 storage vessel.	_	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections -Group 1 storage vessel seal gap		
	measurements - 30 day notification [can be waived or modified by		
	state or local].		
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
(2) (5 A(1)(1)(1)	storage vessels – keep records specified in 63.123 (Subpart G)	37	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	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		
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
05.054(1)(4)	Reporting and Record Reeping Requirements—Record Reeping 101	I	

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

NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

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

Table IV – BB.15aSource-Specific Applicable RequirementsMACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	REQUIREMENTS FOR FIXED ROOF TANKS		
Rule 5			
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;	Y	
	Notice to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance before notification		
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use	Y	
	of vapor recovery		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance with Section 8-5-328		
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	Y	
	prior notification		

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

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5- 306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD · Regulation 8,	Organic Compounds, Wastewater (Oil-Water Separators) (9/15/2004)		
Rule 8 8-8-302	Westewater Separators Larger than an Equal to 19.01 items and Second	NT	
8-8-302.3	Wastewater Separators Larger than or Equal to 18.9 Liters per Second Requirements for separators with fixed roofs and control device	N Y	
8-8-302.3	Gauging and Sampling Devices	Y Y	
	Inspection and Repair Records	Y	
8-8-503			
8-8-504 8-8-505	Portable Hydrocarbon Detector Records for Wastewater Collection System Components at Petroleum Refineries	Y N	
8-8-603	Inspection procedures	N	

Table IV – BB.15aSource-Specific Applicable RequirementsMACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(8/29/94)		
Rule 8			
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart K	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After June 11, 1973, and Prior to May		
	19, 1978 (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM		
	LIQUIDS (Applicable to S139 only)		
60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for	1	
Subpart CC	Petroleum Refineries (8/18/95)		
~ F	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	Throughput limits for sources \$139, \$140 [Basis: 2-1-234.3]	Ν	
Condition 20989,			
Part A			
BAAQMD	APPLICABLE TO S137		
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	

Table IV – BB.15bSource-Specific Applicable RequirementsMACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS182 (Tank 294)

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

Table IV – BB.15bSource-Specific Applicable RequirementsMACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS182 (Tank 294)

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5- 306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refineries (8/18/95)		
	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD			
Condition 13184			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8, Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
5	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,	Y	
	Notification		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, 3 day prior notification		

IV. Source Specific Applicable Requirements

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		Federally	Future
	Degulation Title on	Enforce-	
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
0.5.111.0	Notification, Telephone notification	V	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
0.5.111.2	in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Ŷ	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
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,	Y	
000111.,	Satisfy requirements of 8-5-328	-	
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	Y	
	notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
8-3-112.2	start of work. Certified per 8-5-404	1	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
	Minimize emissions		
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	Y	
	floating roof, or approved emission control system)		
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,	Y	
	maintenance, operation		
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	Y	
	requirements		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	
0.5.220.2	liquid surface	37	
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,	Y	
	lids - Gap requirements		
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements in floating roof tanks		
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	

IV. Source Specific Applicable Requirements

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		Federally Enforce-	Future
Annliaghla	Regulation Title or	able	Effective
Applicable Requirement	Description of Requirement	(Y/N)	Date
Kequitement	requirements-projection below liquid surface	(1/1)	Date
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0-5-520.4.2	requirements-cover, seal, or lid	1	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-3-320.4.3	requirements-gap between well and roof	1	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
0-5-521.2	mounted except as provided in 8-5-305.1.3	1	
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-	Y	
0-3-321.3.1	geometry of shoe	1	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	welded tanks		
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	Y	
	with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993		
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
8-3-328.1.2	Emission Control System	I	
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	Y	
8-3-401.1	and Secondary Seal Inspections	1	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501	Records; Type and amounts of liquid, type of blanket gas, TVP -	Y	
0.5.501.1	Retain 24 months	1	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement	Y	
	Records - Retain 10 years		
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	

IV. Source Specific Applicable Requirements

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	Federally	Future
Population Title or		Effective
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	(1/1)	Date
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	Y	
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Storage Vessel Provisions Reference Control Technology	Y	
External floating roof		
Storage Vessel Provisions Reference Control Technology	Y	
External floating roof seals		
Storage Vessel Provisions Reference Control Technology	Y	
External floating roof double seals required		
Storage Vessel Provisions Reference Control Technology	Y	
liquid-mounted		
	Y	
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	Storage Vessel Provisions Reference Control Technology External floating roof seals Storage Vessel Provisions Reference Control Technology External floating roof double seals required Storage Vessel Provisions Reference Control Technology External floating roof double seals required Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements - metallic shoe or	Regulation Title or Description of RequirementEnforce- able (Y/N)Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994)(Y/N)REQUIREMENTS FOR SLOP OIL VESSELSExemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8- 8-302, 8-8-306, 8-8-308YStandards: Gauging and Sampling DevicesYStandards: Oil-Water Separator and/or Air Flotation Unit Slop Oil VesselsYStandards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels - fixed cover requirementsYMonitoring and Records; Inspection and RecordsYMonitoring and Records; Inspection proceduresYSOCMI HON G (01/27/1995)REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKSStorage Vessel Provisions Reference Control Technology External floating roofYStorage Vessel Provisions Reference Control Technology External floating roofYStorage Vessel Provisions Reference Control Technology External floating roofYStorage Vessel Provisions Reference Control Technology External floating roof double seals requiredYStorage Vessel Provisions Reference Control Technology External floating roof fullyYStorage Vessel Provisions Reference Control Technology External floating roof fullyYStorage Vessel Provisions Reference Control Technology External floating roof fullyYStorage Vessel Provisions Reference Control Technology External floating roofYStorage Vessel Provisions Reference Control Technology External floating roof <t< td=""></t<>

IV. Source Specific Applicable Requirements

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		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Applicable Requirement	Description of Requirement	(Y/N)	Date
Keyun ement	Compliance DemonstrationExternal floating roof	(1/11)	Date
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(1)	External FR seal gap measurement	I	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
05.120(0)(1)(1)	External FR with double seals - primary seal gap measurement – 5	1	
	year intervals		
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
001120(0)(1)(11)	External FR with double seals - secondary seal gap measurement –	-	
	annual requirement		
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods		
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods - roof not resting on		
	legs		
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods - measure gaps around		
	entire circumference of seal and measure width and length of gaps		
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods – determine total		
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps ≤ 212 cm2 per meter of vessel diameter.		
(a. 1. a. a. (b. (b))	Maximum width <= 3.81 cm		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal gap calculation method – total surface		
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
63.120(b)(5)	diameter. Maximum width <= 1.27 cm	Y	
03.120(0)(3)	External FR primary seal additional requirements	I	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
05.120(0)(5)(1)	External FR primary seal additional requirements – metallic shoe	1	
	seal – shoe geometry		
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
00.120(0)(0)(1)	External FR primary seal additional requirements – no holes, tears,	1	
	or openings		
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance	Y	1
/ - / - /	External FR secondary seal requirements	_	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements – location and extent		
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements - no holes, tears or		

IV. Source Specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
1090101010	openings	(111)	2400
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank	Y	
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 63.120(b)(7)(ii)	Y	
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seals visual inspection each time emptied	Y	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 63.646(e)]	Y	
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied – 30 day notification	Y	
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied Notification for unplanned	Y	
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

IV. Source Specific Applicable Requirements

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

Table IV – BB.16Source-Specific Applicable RequirementsMACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK\$133 (TANK 193)

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs - extension documentation		
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs - documentation of failures		
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
(2,(5,4(h))(2)(H))	vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap	Ŷ	
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
05.054(II)(0)	Determination of Applicability	1	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability	-	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage	Y	
	vessels – keep records specified in 63.123 (Subpart G)		
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	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		
63.654(i)(4)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels-Record retention – 5 years		
BAAQMD	Throughput limits for source S133 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

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

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
-	Description of Requirement	(Y/N)	Date
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Floating roof tanks - continuous and quick filling, emptying and		
	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.110	Compliance with Section 8-5-328		
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	Y	
0.5.110.1.0	day prior notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y	
8-5-112.2	Telephone notification	Y	
8-3-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	I	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
8-3-112.5	minimization of emissions	I	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not	Y	
0-5-112.4	exceed 7 days	1	
8-5-301	Storage Tank Control Requirements (internal floating roof,	Y	
00000	external floating roof, or approved emission control system)	-	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting	Y	
	requirements		
8-5-304.2	Requirements for External Floating Roofs; Primary seal	Y	
	requirements		
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
	requirements		
8-5-304.4	Requirements for External Floating Roofs; Floating roof	Y	
	requirements		
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements - Floating roof tanks, Gasketed covers,	Y	
	seals, lids - Projection below surface except p/v valves and		
	vacuum breaker vents		
8-5-320.3	Tank fitting requirements - Floating roof tanks, Gasketed covers,	Y	
	seals, lids –		

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
requirement	Description of Requirement	(Y/N)	Date
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
	seals, lids – Gap requirements		
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements in floating roof tanks		
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Projection below the liquid surface		
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Cover, seal, or lid		
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Gap between the well and the roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
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-	Y	
	geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	welded tanks		
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y	
	secondary seal is not a zero-gap seal as defined in 8-5-322.5)		
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal	Y	
	installed after September 4, 1985 (becomes applicable when		
	secondary seal is considered newly installed and subject to zero-		
	gap seal gap requirements)		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
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;	Y	
	Primary and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain	Y	

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
	Description of Requirement	(Y/N)	Date
	24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile		
Subpart Ka	Organic Liquid Storage Vessels for Which Construction,		
•	Reconstruction, or Modification Commenced After May 18,		
	1978, and Prior to July 23, 1984 (12/14/2000)		
60.110a(a)	Applicability and Designation of Affected Facility	Y	
40 CFR 63,	SOCMI HON G (01/27/1995)		
Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control Technology	Y	
	Group 1, TVP < 76.6 kPa		
63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof seals		
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof double seals required		
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof primary seal requirements – metallic shoe		
(2, 110(.)(1)())	or liquid-mounted	V	
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	Y	
03.119(0)(3)	External floating roofMust float on liquid	1	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology	Y	
05.115(0)(5)(1)	External floating roofMust float on liquid except during initial	1	
	fill		
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except after		
	completely emptied and degassed		
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except when		
	completely emptied before refilling		
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	Y	
	External Floating Roof Operations, when not floating		
63.120(b)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceCompliance DemonstrationExternal floating roof		
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine	Y	

Applicable Requirement	Regulation Title or	Federally Enforce- able	Future Effective
-	Description of Requirement	(Y/N)	Date
	ComplianceExternal FR seal gap measurement		
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR with double seals - primary seal gap		
	measurement – 5 year intervals		
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR with double seals - secondary seal gap		
(2.100 (1)(1)(1)	measurement – annual requirement	17	
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR seal inspections prior to tank refill with		
(2, 120(h)(2))	organic HAP after not storing organic HAP for 1 year or longer	Y	
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine	Ŷ	
(2, 120(h)(2)(i))	ComplianceExternal FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR seal gap determination methods – roof	Ŷ	
	not resting on legs		
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
03.120(0)(2)(11)	ComplianceExternal FR seal gap determination methods –	1	
	measure gaps around entire circumference of seal and measure		
	width and length of gaps		
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine	Y	
00.120(0)(2)(iii)	ComplianceExternal FR seal gap determination methods –	-	
	determine total surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal 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		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal 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		
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR primary seal additional requirements		
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR primary seal additional requirements –		
	metallic shoe seal – shoe geometry		
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR primary seal additional requirements –		
(2.120/1)/()	no holes, tears, or openings	37	
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine	Y	
62 120(h)(()(i)	ComplianceExternal FR secondary seal requirements	V	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR secondary seal requirements – location and extent		
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
05.120(0)(0)(11)	ComplianceExternal FR secondary seal requirements - no holes,	1	

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
•	Description of Requirement	(Y/N)	Date
	tears or openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal 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)		
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal 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.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine	Y	
	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.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine	Y	
	Compliance External FR seal gap measurement 30 day		
(2.120/1)/10)	notification	T 7	
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR and seals visual inspection each time		
63.120(b)(10)(i)	emptied Storage Vessel Provisions Procedures to Determine	Y	
05.120(0)(10)(1)	ComplianceExternal FR and seal visual inspection each time	I	
	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)]		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
00.120(0)(10)(1)	Compliance External FR and seal visual inspection each time	-	
	emptied – 30 day notification		
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine	Y	
	Compliance External FR and seal visual inspection each time		
	emptiedNotification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group	Y	
~ /	2 storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap		
	measurements (date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel - keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	sleeve seals not required for storage vessels that are part of	()	
	existing source]		
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports- Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports- Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports- Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S340 [Basis: 2-1-234.3]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applicable to S113 (Tank 158), S125 (Tank 170))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable to S113 (Tank 158), S125 (Tank 170))	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applicable to S113 (Tank 158), S125 (Tank 170))	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements)	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applicable to S113 (Tank 158), S125 (Tank 170))	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination (applicable to S113 (Tank 158), S125 (Tank 170))	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 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 roofMust float on liquid	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust 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 DemonstrationExternal 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	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.654(f)(1)(i)(A) (1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y Y	
63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S113, S125, S261 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S183, S184 [Basis: 2-1-234.3]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.3	Primary seal requirements; Metallic shoe type seal requirements: Gaps for riveted tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps	Y	
8-5-322.4	Secondary seal requirements; Riveted tanks	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 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 roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust 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 DemonstrationExternal floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement - 5 year intervals	Y	
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods	37	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods – roof not resting on		
(a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b	legs	N/	
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods – measure gaps around		
(2.120/b)(2)(;;;)	entire circumference of seal and measure width and length of gaps Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total	Ŷ	
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(3)	External FR primary seal gap calculation method – total surface area	1	
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
05.120(0)(4)	External FR secondary seal gap calculation method – total surface	1	
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width ≤ 1.27 cm		
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
05.120(0)(0)	External FR primary seal additional requirements	1	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
05.120(0)(5)(1)	External FR primary seal additional requirements – metallic shoe	-	
	seal – shoe geometry		
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR primary seal additional requirements – no holes, tears,		
	or openings		
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements		
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
. /. /./	External FR secondary seal requirements - location and extent		
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements - no holes, tears or		
	openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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)		

Table IV – BB.19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seals visual inspection each time emptied	Y	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 63.646(e)]	Y	
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied – 30 day notification	Y	
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied Notification for unplanned	Y	
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations)	Y	
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	

Table IV – BB.19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS216 (TANK 695A)

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

Table IV – BB.19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	vessel notification of inspections - refilling Group 1 storage vessel.		
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections -Group 1 storage vessel seal gap		
	measurements - 30 day notification [can be waived or modified by		
	state or local].		
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels - keep records specified in 63.123 (Subpart G)		
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	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		
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vessels-Record retention - 5 years		
BAAQMD	Throughput limits for source S216 [Basis: 2-1-234.3]	Ν	
Condition 20989,			
Part A			

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS\$134 (TANK 194)

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

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS\$134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Floating roof tanks - continuous and quick filling, emptying and refilling	(=)	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALSS134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements)	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALSS134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(6/15/1994)		
Rule 8	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-	Y	
	8-302, 8-8-306, 8-8-308		
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 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 roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust 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	

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS\$134 (TANK 194)

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

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS\$134 (TANK 194)

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

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALSS134 (TANK 194)

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

Table IV – BB.20Source-Specific Applicable RequirementsMACT EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS\$134 (TANK 194)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
63.654(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.654(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.654(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.654(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.654(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S134 [Basis: 2-1-234.3]	N	

Table IV – BB.21

Source-Specific Applicable Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106),
S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252),
S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266 (TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (F805)

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

Table IV – BB.21

Source-Specific Applicable Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK

529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266 (TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (F805)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.654(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord	Y	
	retention – 5 years		
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – BB.22

Source-Specific Applicable Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S158 (TANK 258), S175 (TANK 284)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8, Rule 5	EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			

Table IV – BB.22Source-Specific Applicable RequirementsExempt Fixed Roof Tanks with Vapor Recovery to Fuel GasS158 (Tank 258), S175 (Tank 284)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – BB.23ASource-Specific Applicable RequirementsExempt External Floating Roof TanksSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITY\$108 (Tank 153), \$109 (Tank 154), \$127 (Tank 173)

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

Table IV – BB.23ASource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITY\$108 (TANK 153), \$109 (TANK 154), \$127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	storage vessels – Data and assumptions used to determine Group 2 classification		
63.654(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

2. Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8, Rule 5 requirements for zero-gap secondary seals.

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8, Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
5	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,	Y	
	Notification		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
•	in compliance prior to notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements-projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements-cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements-gap between well and roof	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	1, TVP < 76.6 kPa	()	
63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust 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 DemonstrationExternal floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR with double seals - secondary seal gap measurement – annual requirement	Y	
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance -External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods - roof not resting on	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
•	legs		
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR seal gap determination methods – determine total surface area of each gap	Y	
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance -External FR unsafe to perform seal measurements or inspect the tank	Y	
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 63.120(b)(7)(ii)	Y	
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	day extensions are allowed to empty the tank. Decision to use		
	extension must be documented.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
05.120(0)(7)	External FR seal gap measurement 30 day notification	1	
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-External FR and seals visual inspection each time emptied	-	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-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)]		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	- External FR and seal visual inspection each time emptied – 30		
(2.120(h)(10)()	day notification	Y	
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- - External FR and seal visual inspection each time emptied	Ŷ	
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
05.125(u)	storage vessel dimensions and capacity. Keep for life of source.	1	
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (06/12/1996)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS	3.7	
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1 Storage Vessel Provisions-Determine stored liquid % OHAP for	Y Y	
63.646(b)(1)	storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Ŷ	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
05.040(0)(2)	method 18 to resolve disputes	1	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
	vessels [EFRs exempt from 63.119(c)(2)]	1	
63.646(d)	Storage Vessel Provisions-References	Y	

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

Table IV – BB.23BSource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

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

2. Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8, Rule 5 requirements for zero-gap secondary seals.

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		

Table IV – BB.24Source-Specific Applicable RequirementsNSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPINGS90 (TANK 67), S105 (TANK 129)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart K	Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (4/4/1980)		
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
60.110(c)(2)	Applicability and Designation of Affected Facility>65,000 gal after 6/11/1973 and before 5/19/1978.	Y	
40 CFR 63, Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 63.123(a)	Y	
63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)	Applicability and Designation of Affected Source Overlap for Storage Vessels	Y	
63.640(n)(7)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Group 2 storage vessel subject to NSPS, Subparts K or Ka but exempt from control requirements of NSPS, Subparts K or Ka is required to comply only with 63 Subpart CC	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.654(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.654(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.654(i)(1) (iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.654(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord 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.25Source-Specific Applicable RequirementsEXEMPT BUTANE SPHERES

S188 (TANK 300), S189 (TANK 301), S190 (TANK 302), S253 (TANK 833)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR PRESSURE TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	

Table IV – BB.25Source-Specific Applicable RequirementsEXEMPT BUTANE SPHERESS188 (TANK 300), S189 (TANK 301), S190 (TANK 302), S253 (TANK 833)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; blanket gas; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) EXEMPTION FOR PRESSURE TANKS (applies to S188 only)		
60.110b(d)(2)	Exemption for pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	

Table IV – BB.27

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60, Subpart	Standards of Performance for Storage Vessels for Volatile		
Kb	Organic Liquid Storage Vessels for Which Construction,		
	Reconstruction, or Modification Commenced After July 23, 1984		
	(12/14/2000)		
	REQUIREMENTS FOR RECORDKEEPING ONLY		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after $7/23/1984$		

Table IV – BB.27Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235, TANK 236

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 60, Subpart	Standards of Performance for VOC Emissions from Petroleum		
QQQ	Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.691	Definitions: Closed Vent System. If gas or vapor from regulated equipment are routed to a process (e.g., petroleum refinery fuel gas system), the process shall not be considered a closed vent system and is not subject to the closed vent system standards.	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	

Table IV – BB.27Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235, TANK 236

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(5) BAAQMD Condition 20773	Exemption for emission points routed to fuel gas system	Y	
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.28Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKTANK 237

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60, Subpart QQQ	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (8/18/95) REQUIREMENTS FOR FIXED ROOF TANKS NOT ROUTED TO FUEL GAS		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
	Recordkeeping Requirements	Y	
60.697	Recordicepting Requirements	1	
60.697 60.697(a)	Recordkeeping Requirements	Y	

Table IV – BB.28Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKTANK 237

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart	National Emission Standards for Hazardous Pollutants for		
CC	Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
BAAQMD	^ 		
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – BB.29 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF TANK TANK 224

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After July 23, 1984 (12/14/2000)		
	REQUIREMENTS FOR RECORDKEEPING ONLY		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	

Table IV – BB.29 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF TANK TANK 224

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKKS ALSO SUBJECT TO NSPS, Subpart Kb		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – BB.30Source-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKSTANK 206, TANK 207

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60, Subpart K	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIOUIDS		

Table IV – BB.30Source-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKSTANK 206, TANK 207

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – CC.1Source-Specific Applicable RequirementsS452, S453, S455, S457, S458, S500, COOLING TOWERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Miscellaneous Operations (6/15/94)	Y	
Regulation 8, Rule 2			
8-2-301	Miscellaneous Operations	Y	
BAAQMD			
Condition 22121			
Part 1	Visual inspection (2-6-503)	Y	
Part 2	Chlorine content monitoring and monthly VOC content determination (2-6-503)	Y	

Table IV – CC.1Source-Specific Applicable RequirementsS452, S453, S455, S457, S458, S500, COOLING TOWERS

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

Table IV – CC.2Source-Specific Applicable RequirementsS456, COOLING TOWER

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

V. SCHEDULE OF COMPLIANCE

A. STANDARD SCHEDULE OF COMPLIANCE

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

B. DELETED APPLICATION 13691

C. CUSTOM SCHEDULE OF COMPLIANCE

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

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

Milestones

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

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

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

Reporting Requirements

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

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

D. CUSTOM SCHEDULE OF COMPLIANCE

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

V. Schedule of Compliance

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

Milestones

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

Reporting Requirements

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

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

E. CUSTOM SCHEDULE OF COMPLIANCE

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

Milestones

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

Reporting Requirements

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

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

F. CUSTOM SCHEDULE OF COMPLIANCE

V. Schedule of Compliance

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

Milestones

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

Reporting Requirements

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

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

VI. PERMIT CONDITIONS

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

CONDITIONS FOR S350, CRUDE UNIT 267

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

 [Cumulative Increase]
- 1b. The owner/operator shall sample and analyze the crude feed to S350 to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S350 feed tanks. [Cumulative Increase]
- The owner/operator of S350 shall not exceed an S350 feed rate of 36,000 bbl on any calendar day. The 36,000 bbl/day limit is an absolute limit and may not be corrected for instrument error. [Cumulative Increase]
- 3. The owner/operator of S350 shall maintain daily records of "calendar day" throughput at S350 in a District-approved log. The owner/operator shall also maintain records of all sulfur content analyses required by Part 1b. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 4. The owner/operator shall install water seals (or equivalent controls) on the desalter process drain system for S350 that comply with the requirements of BAAQMD Regulation 8-8-312 prior to increasing the daily throughput to 36,000 bbl/day as allowed by part 2. [Toxics, cumulative increase]

CONDITION 1440

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

- 1. S324 API Separator shall be operated such that the liquid in the main separator basin is in full contact with fixed concrete roof. This condition shall not apply during separator shutdown for maintenance. [Cumulative Increase]
- 2. Diversions of refinery wastewater around the Water Effluent Treating Facility to the open Storm Water Basins (S1008, S1009) shall be minimized. These diversions shall not cause a nuisance as defined in District Regulation 7 or Regulation 1-301. [Cumulative Increase]
- 3. Records shall be maintained of each incident in which refinery wastewater is diverted to the open storm water basins. These records shall include the reason for the diversion, the total quantity of wastewater diverted to the basins, and the approximate hydrocarbon content of the water. [Cumulative Increase]

VI. Permit Conditions

- 4. The following sources shall be vapor-tight as defined in Regulation 8, Rule 8:
 - a. Doors, hatches, covers, and other openings on the S324 API Separator, forebay, outlet basin, and channel to the S1007 DAF Unit.
 - b. Doors, hatches, covers, and other openings on the S1007 DAF Unit and the S400 Wet and S401 Dry Weather Sumps, except for the vent opening on these units.
 - c. Any open process vessel, distribution box, tank, or other equipment downstream of the S1007 DAF Unit (S381, S382, S383, S384, S385, S386, S387, S390, S392).
 [Cumulative Increase]
- 5. Compliance with the VOC emission criteria of Part 4 shall be determined semi-annually and records kept of each inspection. These records shall be made available to District personnel upon request. [Cumulative Increase]
- 6. The maximum wastewater throughput at the S324 API Separator and S1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for each unit. Any modifications to equipment at this facility that increase the annual average waste water throughput at S324 and S1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

CONDITION 1694

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

- A. Heater Firing Rate Limits and General Requirements
- 1a. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel), which are considered maximum sustainable firing rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source <u>Number</u>	Refinery ID <u>Number</u>	Daily Firing Limit <u>(MMbtu/day)</u>	Hourly Firing Rate <u>(MMbtu/hr)</u>	
S3	U230/B201	1,488	62	
S 7	U231/B103	1,536	64	
S21	U244/B507	194.4	8.1	
S336	U231/B104	2,664	111	
S337	U231/B105	816	34	
		[Regulation 2-1-234.3]		

1b. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel), which are considered maximum sustainable firing rates. The indicated hourly firing rate is the daily limit divided by 24 hours and is the basis for permit fees and is the rate listed in the District database.

District Source <u>Number</u>	Refinery ID <u>Number</u>	Daily Firing Limit (MMbtu/day)	Hourly Firing Rate (MMbtu/hr)
S2	U229/B301	528	22
S4	U231/B101	2,304	96
S5	U231/B102	2,496	104
S 8	U240/B1	6,144	256
S9	U240/B2	1,464	61
S10	U240/B101	5,352	223
S11	U240/B201	2,592	108
S12	U240/B202	1,008	42
S13	U240/B301	4,656	194
S14	U240/B401	13,344	556
S15 thru S19	U244/B501 thru B50)5 5,754	239.75
S20	U244/B506	552	23
S22	U248/B606	744	31
S29	U200/B5	2,472	103
S30	U200/B101	1,200	50
S31	U200/B501	480	20
S43	U200/B202	5,520	230
S44	U200/B201	1,104	46
S351	U267	2,280	95
S371/372	U228/B520 and B52	1 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	Refinery	Daily Firing	Hourly Firing
Source	ID	Limit	Rate
Number	Number	(MMbtu/day)	(MMbtu/hr)
S438	U110	6,000	250
			[Cumulative Increase]

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

emissions during tube cleaning. If any visible emissions are detected when the operation commences, corrective action shall be taken within one day, and monitoring shall be performed after the corrective action is taken. If no visible emissions are detected, monitoring shall be performed on an hourly basis. [Regulation 2-6-409.2, Consent Decree Case No. 05-0258, DATE: 1/27/05] Amended Application 12931

- 2c. Sources S3 and S7 are permitted to use naphtha fuel only during periods of natural gas curtailment, test runs, or for operator training. These sources shall be monitored for visible emissions before each 1 million gallons of liquid fuel is combusted at each source. If an inspection documents visible emissions, a Method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the specific unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2, Consent Decree Case No. 05-0258, DATE: 1/27/05]. Amended Application 12931
- 3a. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration. [SO2 Bubble]
- 3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]
- 4. Emissions of SO2 shall not exceed 1,612 lb/day on a monthly average basis from noncogeneration sources burning fuel gas or liquid fuel. [SO2 Bubble]
- 5. The following records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:

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

[Regulation 2-6-409.2]

e. The operator shall keep records of all visible emission monitoring required by Part 2c, of the results of required visual monitoring and Method 9 evaluations on these sources, shall identify the person performing the monitoring and shall describe all corrective actions taken.

[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]

	00 0200, DITTE. 1/2//00]
2	U229/B301
3	U230/B201
4	U231/B101
5	U231/B102
7	U231/B103
8	U240/B1
9	U240/B2
10	U240/B101
11	U240/B201
12	U240/B202
13	U240/B301
14	U240/B401
15-S19	U244/B501-B505
20	U244/B506
21	U244/B507
22	U244/B606
29	U200/B5
30	U200/B101
31	U200/B501
	2 3 4 5 7 8 9 10 11 12 13 14 15-S19 20 21 22 29 30 31

B. S351 PREHEATER

- 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/recorderb. 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 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)
 - 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
- The S438 furnace shall be abated by the A46 SCR unit at all times, except that S438 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S438 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S438 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]
- 2. Total fuel fired in S438 shall not exceed 2.19 E 12 btu in any rolling consecutive 365 day period. [Cumulative Increase]
- 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 periodCO: 32 ppmv @ 3% oxygen, averaged over any calendar dayPOC: 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 Districtapproved 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, S8, S9, S10, S11, S12, S13, S14 Heaters
- 1. Total fuel firing at Unit 240 (S8, S9, S10, S11, S12, S13, S14) shall not exceed 993.7 MMbtu/hr averaged over any consecutive 12 month period. [Cumulative Increase]
- Total fuel fired at the MP-30 Complex, including Unit 229 (S2), Unit 230 (S3) and Unit 231 (S4, S5, S7) shall not exceed 346.5 MMbtu/hr averaged over any consecutive 12 month period. [Cumulative Increase]
- 3. Monthly records of the fuel fired at sources in Parts 1 and 2 shall be kept in a District-approved log for at least 5 years and shall be made available the District upon request. [Recordkeeping]
- G. Regulation 9-10 Startup / Shutdown Provisions [Basis: 9-10-301]

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

- 1. Heaters S8 (Unit 240, B-1), S14 (Unit 240, B-401) and S44 (Unit 200, B-201) shall be considered to be in normal operation whenever they have detectable fuel flow, and shall be considered to be out of service for the purpose of Regulation 9-10-301 whenever they have undetectable fuel flow.
- 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:
 - 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-20) S11 (Unit 240, B-201) S12 (Unit 240, B-202) S20 (Unit 244, B-506) S22 (Unit 244, B-506) S29 (Unit 200, B-50) S30 (Unit 200, B-501) S31 (Unit 200, B-501) S336 (Unit 231, B-104) S337 (Unit 231, B-105)

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

CONDITION 4336

CONDITIONS FOR S425, S426, Marine Loading Berths

- 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 gasolineand JP-4 aviation fuel and crude oil. [Cumulative Increase]

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

[Cumulative Increase]

- 5. Loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]
- 6a. No more than 25,000 barrels per day of gasoline, naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. [Cumulative Increase]
 - 1. Deleted Application 13690
 - 2. When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.
- 6b. The maximum loading rate at any time at both S425 and S426 shall not exceed 20,000 barrels per hour to prevent overloading the A420 oxidizer. [Cumulative Increase]
- 7. The owner/operator shall not receive more than 30,000 bbl per day crude oil delivered by tanker or ship on a 12 month rolling average basis. (Cumulative increase, 2-1-403)
- 8. All throughput records required to verify compliance with Parts 6 and 7, including hourly loading rate records (total for S425, S426), monthly crude oil receipt records, and maintenance records required for A420, which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the District upon request. [Cumulative Increase]
- 9. The destruction efficiency of the A420 control system shall be at least 98.5% by weight over each loading event for gasoline, gasoline blending stocks, aviation gas, aviation fuel (JP-4 type), and crude oil. [BACT]
- 10. The purpose of part 10 is to implement an alternative monitoring plan to assure compliance with the H2S limit in 40 CFR 60.104(a)(1) at A420, Thermal Oxidizer. This part will apply whenever A420 is used to comply with BAAQMD Regulation 8, Rule 44, and whenever A420 is used to burn fuel gas as defined by 40 CFR 60.101(d). To ensure that the thermal oxidizer is not used to burn fuel gas that is high in H2S, the following activities are not allowed at the terminal: ballasting, cleaning, inerting, purging, and gas freeing. The owner/operator shall perform the following monitoring: One detection tube sampling shall be conducted on the vapors collected during the event for each marine vessel tank that is affected. The detector tube ranges shall be 0-10/0-100 ppm (N=10/1) unless the H2S level is above 100 ppm. If the H2S level is above 100 ppm, the owner/operator shall use a detection

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

CONDITION 6671

CONDITIONS FOR S307

- 1. The vapor vent on the E-421 condenser (overhead condenser on D-406 condensate stripper in U-240 Unicracker Complex hydrogen plant) shall be vented to the A50 condenser whenever the vent operates. [Regulation 8-2-301]
- 2. A50 shall reduce total organic carbon emissions from the E-421 vent as necessary to a level which complies with Regulation 8-2-301. [Regulation 8-2-301]
- 3. All blowdown and other liquid effluent from A50 shall be piped to the plant wastewater treatment system. [Cumulative Increase]
- 4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound cooler shall be verified on a daily basis. [Cumulative Increase]
- 5. Daily records (on days when the U-240 hydrogen plant operates) of normal scrubbing liquid flow and normal cooling water flow shall be kept in a District-approved log for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- Effective 1/1/05, an annual source test shall be performed on the vapor vent on the E-421 condenser to verify compliance with Regulation 8-2-301 in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]

CONDITION 6725

CONDITIONS FOR S432, DEISOBUTANIZER

1) All new flanges in hydrocarbon service associated with the S432 Deisobutanizer project shall utilize graphitic gaskets. All new valves in hydrocarbon service associated with the project shall be either live-loaded valves, bellows-sealed valves, diaphragm valves, or other District

approved equivalent valve designs. [BACT, Cumulative Increase]

2) All new pressure relief valves in hydrocarbon service associated with the S432 project shall be vented to the refinery flare gas recovery system.

[BACT, Cumulative Increase]

3) All new pumps and compressors in hydrocarbon service associated with the S432 project shall utilize either a double mechanical shaft seal design with barrier fluid, a magnetically coupled shaft, or other District approved equivalent design. If a barrier fluid is used, either the fluid reservoir shall be vented to a 95% efficient control device, or the barrier fluid shall be operated at a pressure higher than the process stream pressure.

[BACT, Cumulative Increase]

CONDITION 7353

FOR S433, MOSC STORAGE TANK

- 1. The emissions from the S433 MOSC storage tank shall be collected and vented to the fuel gas system. [Cumulative Increase]
- 2. Valves shall be equipped with live-loaded packing. Pumps shall be equipped with double mechanical seals separated by a barrier fluid. [Cumulative Increase]
- 3. The S433 Fixed Roof Storage Tank shall only store sludge. [Cumulative Increase]
- 4. The total throughput of sludge at this MOSC facility shall not exceed 138,700 barrels in any rolling 52 consecutive week period. [Cumulative Increase]
- 5. The total weekly throughput of sludge withdrawn from the S433 Storage Tank shall be recorded in a District approved log. This record shall be retained for a period of at least five years from date of entry. It shall be kept on site and made available to the District staff upon request. [Cumulative Increase]

CONDITION 7523

CONDITIONS FOR S294, GASOLINE DISPENSING FACILITY(GDF 7609)

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

CONDITION 11219

CONDITIONS FOR S449, TANK (T-285)

1. Working emissions from S449 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12121

CONDITIONS FOR S370, U228 ISOMERIZATION UNIT

- 1. The feed rate at the S370 isomerization unit (U-228) shall not exceed 11,040 barrels on any calendar day, defined as the sum of the isomerization fresh reactor charge and the adsorber fresh feed. [Cumulative Increase]
- 2. Daily records of the S370 feed rate shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]

CONDITION 12122

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

- The gas turbines (S352, S353 and S354) and the heat recovery steam generator (HRG) duct burners (S355,S356 and S357) shall be fired on refinery fuel gas or natural gas. [Cumulative Increase]
- 2. A HRG duct burner shall be operated only when the associated gas turbine is operated. [Cumulative Increase]
- 3. The exhaust from S352 and S355 shall be abated at all times by SCR unit A13, except that S352 and S355 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the 352 and S355 NOx emission rate whenever S352 and S355 operate without abatement. All emission limits applicable to S352 and S355 shall remain in effect whether or not they are operated with SCR abatement.
 [BACT, Cumulative Increase]
- 4. The exhaust from S353 and S356 shall be abated at all times by SCR unit A14, except that S353 and S356 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S353 and S356 NOx emission rate whenever S353 and S356 operate without abatement. All emission limits applicable to S353 and S356 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
- 5. The exhaust from S354 and S357 shall be abated at all times by SCR unit A15, except that S354 and S357 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S354 and S357 NOx emission rate whenever S354 and S357 operate without abatement. All emission limits applicable to S354 and S357 shall remain in effect whether or not they are

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]
- CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions. [BACT, Cumulative Increase]
- POC emissions from each turbine/duct burner set shall not exceed 6 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions. [BACT, Cumulative Increase]
- 9a. The combined NOx emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. [BACT, Cumulative Increase]
- 9b. NOx emissions from S 352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 10a. The combined CO emissions from S352, S353, S354, S 355, S356 and S357 shall not exceed 200 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

- 10b. CO emissions from S 352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 11. The combined POC emissions of S352, S353, S354, S355, S356 and S357 shall not exceed 8.3 lb/hr nor 30.5 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

- 12. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [Cumulative Increase]
- 13. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report.

[Cumulative Increase]

14. A source test to verify compliance with Parts 8 and 11 shall be performed each calendar year

in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]

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

CONDITION 12124

CONDITIONS FOR S439, TANK (T-109)

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

3,650 thousand barrels

[Cumulative Increase]

- 2. S439 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12125

CONDITIONS FOR S440, TANK (T-110)

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

3,600 thousand barrels

[Cumulative Increase]

- 2. S440 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12127

CONDITIONS FOR S442, TANK (T-112)

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

2,740 thousand barrels

[Cumulative Increase]

- 2. S442 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12129

CONDITIONS FOR S444, TANK (T-243)

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

4,380 thousand barrels

[Cumulative Increase]

- 2. S444 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12130

CONDITIONS FOR S445, TANK (T-271)

1. Working emissions from S445 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12131

CONDITIONS FOR S446, TANK (T-310)

1. Working emissions from S446 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12132

CONDITIONS FOR S447, TANK (T-311)

1. Working emissions from S447 shall be collected and vented to the refinery fuel gas supply. Other abatement devices, which provide at least 95% abatement of VOC emissions by weight, may be used with the prior approval of the District. [Cumulative Increase]

CONDITION 12133

CONDITIONS FOR S448, TANK (T-1007)

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

2,190 thousand barrels

[Cumulative Increase]

- 2. S448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12245

CONDITIONS FOR S450, GROUNDWATER EXTRACTION TRENCHES

- 1. Groundwater extracted from the S450 trench system shall be pumped to the wastewater treatment plant for treatment and shall not be exposed to the atmosphere except as required at the treatment plant. [Cumulative Increase]
- 2. All extraction pump vaults and piping access boxes shall be equipped with solid covers. [Cumulative Increase]

CONDITION 13184

CONDITIONS FOR S182, STORAGE TANK

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

CONDITION 16677

CONDITIONS FOR S376, 377, 378, COLD CLEANERS

- 1. Net usage of citrus-based solvent at S376, S377 and S378 shall not exceed 150 gallons each in any consecutive 12-month period. [Cumulative Increase]
- 2. Cleanup solvent other than the material(s) specified in Part 1, and/or usage in excess of that specified in Part 1, may be used, provided that the Permit Holder can demonstrate that all of the following are satisfied:
 - a. Total POC emissions from S376, S377 and S378 do not exceed 1,095 pounds each in any consecutive 12-month period; and
 - b. The use of these materials does not increase toxic emissions above any risk screening trigger level. [Cumulative Increase and Toxic Risk Screen]
- 3. To determine compliance with the above requirements, the Permit Holder shall maintain the following records and provide all of the data necessary to evaluate compliance, including:
 - a. Type and monthly usage of all solvents used;
 - b. If a material other than those specified in Part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 2, on a monthly basis;
 - c. Monthly usage and emission calculations (if calculations are required by Part 3b) shall be totaled for each consecutive 12-month period.

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

[Cumulative Increase and Toxic Risk Screen]

CONDITION 18251

CONDITIONS FOR S380, , S389, SILOS

- 1a. Activated Carbon Silo S380 shall be vented through the A20 baghouse whenever the silo blower motor is in service. Baghouse operation is not required during unloading operations using only gravity feed. [Regulation 2-1-234]
- 1b.Diatomaceous Earth Silo S389 shall be vented through the A21 baghouse whenever it is in
service.[Regulation 2-1-234]
- 2a. Baghouses A20 and A21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]

- 2b. Differential pressure on baghouse A20 shall be checked at least once per calendar quarter to verify normal operating condition. [Regulation 1-441]
- 2c. Differential pressure on baghouse A21 shall be checked each time that the baghouse is operated to verify normal operating condition. [Regulation 1-441]
- A record of all differential pressure readings for baghouses A20 and A21 shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request. [Regulation 1-441]

CONDITION 18255

FOR SOURCES S296 AND S398, FLARES

- 1. Deleted Application 12601.
- 2. Deleted Application 12601.
- 3. For the purposes of these conditions, a flaring event is defined as a flow rate of vent gas flared in any consecutive 15 minutes period that continuously exceeds 330 standard cubic feet per minute (scfm). If during a flaring event, the vent gas flow rate drops below 330 scfm and then increases above 330 scfm within 30 minutes, that shall still be considered a single flaring event, rather than two separate events. For each flaring event during daylight hours (between sunrise and sunset), the owner/operator shall inspect the flare within 15 minutes of determining the flaring event, and within 30 minutes of the last inspection thereafter, using video monitoring or visible inspection following the procedure described in Part 4. [Regulation 2-6-409.2]
- 4. The owner/operator shall use the following procedure for the initial inspection and each 30minute inspection of a flaring event.

a. If the owner/operator can determine that there are no visible emissions using video monitoring, then no further monitoring is necessary for that particular inspection.b. If the owner/operator cannot determine that there are no visible emissions using video monitoring, the owner/operator shall conduct a visual inspection outdoors using either:

i. EPA Reference Method 9; or

ii. Survey the flare by selecting a position that enables a clear view of the flare at least 15 feet, but not more than 0.25 miles, from the emission source, where the sun is not directly in the observer's eyes.

c. If a visible emission is observed, the owner/operator shall continue to monitor the flare for at least 3 minutes, or until there are no visible emissions, whichever is shorter.

d. The owner/operator shall repeat the inspection procedure for the duration of the flaring event, or until a violation is documented in accordance with Part 5. After a violation is documented, no further inspections are required until the beginning of a new calendar day. [Regulation 6-301, 2-1-403]

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

a. If EPA Method 9 is used, the owner/operator shall comply with Regulation 6-301 when operating the flare.

b. If the procedure of Part 4.b.ii is used, the owner/operator shall not operate a flare that has visible emissions for three consecutive minutes.

[Regulation 2-6-403]

- 6. The owner/operator shall keep records of all flaring events, as defined in Part 3. The owner/operator shall include in the records the name of the person performing the visible emissions check, whether video monitoring or visual inspection (EPA Method 9 or visual inspection procedure of Part 4) was used, the results of each inspection, and whether any violation of this condition (using visual inspection procedure in Part 4) or Regulation 6-301 occurred (using EPA Method 9). [Regulation 2-6-501; 2-6-409.2]
- 7. Deleted Application 12601.

CONDITION 18629

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

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

- I. [Obsolete Approval to Construct executed in a timely manner]
- II. [Obsolete Approval to Construct executed in a timely manner]
- III. Facilities Operation

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

IV. Malfunction

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

V. Right to Entry

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

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

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

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

D. to sample emissions from this source.

VI. Transfer of Ownership

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

VII. Severability

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

VIII. Other Applicable Regulations

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

IX. Special Conditions

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

B. Air Pollution Control Equipment

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

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

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

D. Operating Limitations

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

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

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

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

E. Emission Limits for NOx

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

F. Emission Limits for SO2

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

G. Continuous Emission Monitoring

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

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

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

2. The permit holder shall maintain a file of all measurements, including continuous monitoring system performance evaluations, all continuous monitoring system monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required by 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.

3. The permit holder shall submit a written report of SO2 emission status and all excess emissions to EPA (Attn: A3-3) for every calendar quarter. The report shall include the following:

a. If fuel gas samples are used to determine SO2 emissions:

(1) The total measured sulfur concentration in each fuel gas sample for the calendar quarter.

(2) The daily average sulfur content in the fuel gas, daily average SO2 mass emission rate (lb/hr), and total tons per year of SO2 emitted for the last 365 consecutive days. Total SO2 emissions exceeding 34 lb/hr must be identified.

b. The magnitude of excess emissions computed in accordance with 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.

c. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the cogeneration gas turbine system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.

d. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.

e. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

f. Excess emissions shall be defined as any three-hour period during which the average emissions of NOx and/or SO2 as measured by the continuous monitoring system and/or calculated from the daily average of the total sulfur in the fuel gas, exceeds the NOx and/or SO2 maximum emission limits set for each of the pollutants in Conditions IX.E and IX.F. above

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

H. New Source Performance Standards

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

Performance for New Stationary Sources (60). The permit holder shall meet all applicable requirements of Subparts A and GG of this regulation.

X. Agency Notifications

All correspondence as required by this Approval to Construct/Modify shall be forwarded to: A. Director, Air Management Division (Attn: A3-3)

- A. Director, Air Management Division (Attn: A3-3) EPA Region 9 215 Fremont Street San Francisco, CA 94105 (415/974-8034)
- B. Chief, Stationary Source Division California Air Resources Board P O Box 2815 Sacramento, CA 95812
- C. Air Pollution Control Officer Bay Area Air Quality Management District 939 Ellis Street San Francisco, CA 94109

CONDITION 18680

CONDITIONS FOR S294, GASOLINE DISPENSING FACILITY (GDF 7609

- 1. The Phil Tite EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-101. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
- 2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overfill prevention devices ("flapper valves"), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36-month period. Measured leak rates of each component shall not exceed the levels specified in VR-101. Results shall be submitted to BAAQMD within 15 days of the test date in a District-approved format.

CONDITION 19278

CONDITIONS FOR S1001, S1002, S1003, SULFUR RECOVERY UNITS

1. Deleted Application 12433.

- 2. Deleted Application 12433.
- 3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test.

[Regulation 6-330]

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

CONDITION 19476

CONDITIONS FOR S451, TANK

- 1. The total throughput at tank S451 shall not exceed 11,000,000 barrels in any consecutive 12month period. [Cumulative Increase]
- 2. S451 shall comply with the following design requirements, in addition to any others required by Regulation 8, Rule 5, NSPS Subpart Kb or NESHAP Subpart CC:

a. adjustable roof legs, if used, must be equipped with vapor boot seals, or with an equivalent vapor loss control device approved by the District [BACT, Cumulative Increase]

3. Monthly records of the type and net amount of materials stored at S451 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 19488

CONDITIONS FOR S50, S51, S52, DIESEL ENGINES

- 1. The owner/operator of turbine startup engines S50, S51 and S52 shall operate each of these engines no more than 100 hours per calendar year. [Cumulative Increase]
- The owner/operator of S50, S51 and S52 shall keep monthly records of the operating time of each engine. These records shall be kept for at least 5 years and shall be made available to the District upon request. [Regulation 9-8-502, 1-441]

CONDITIONS FOR S53, S54, S55, S56, S57, S58, S59

- The owner/operator of emergency standby engines S53, S54, S55, S56, S57, S58, and S59 shall operate these engines only for emergency use or for reliability-related activities. Operations for reliability-related activities shall not exceed 100 hours per calendar year for each engine. Operation for emergency use is unlimited. [Regulation 9-8-330]
- 4. Emergency use is defined as the use of an emergency standby engine during any of the following:
 - a. In the event of loss of regular natural gas supply;
 - b. In the event of failure of regular electric power supply;
 - c. Flood mitigation;
 - d. Sewage overflow mitigation;
 - e. Fire;
 - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Regulation 9-8-231]
- 5. Reliability-related activities is defined as the use of an emergency standby engine during any of the following: [Regulation 9-8-232]
 - a. Operation of an emergency standby engine to test its ability to perform for an emergency use;
 - b. Operation of an emergency standby engine during maintenance of a primary motor.
- 6. Each emergency standby engine shall be equipped with either: [Regulation 9-8-530]a. A non-resettable totalizing meter that measures and records hours of operation.b. A non-resettable fuel usage meter
- 7. All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The owner/operator shall keep a monthly log of usage that shall indicate the following: [Regulations 9-8-530, 1-441]
 - a. Hours of operation (total)
 - b. Hours of operation (emergency)
 - c. the nature of the emergency condition.

CONDITION 20773, TANKS EXEMPT FROM REGULATION 8, RULE 5

This condition applies to tanks that are exempt from Regulation 8, Rule 5, Storage of Organic Liquids, due to the exemption in Regulation 8-5-117 for storage of organic liquids with a true vapor pressure of less than or equal to 25.8 mm Hg (0.5 psia).

- Whenever the type of organic liquid in the tank is changed, the owner/operator shall verify that the true vapor pressure at the storage temperature is less than or equal to 25.8 mm Hg (0.5 psia). The owner/operator shall use Lab Method 28 from Volume III of the District's Manual of Procedures, Determination of the Vapor Pressure of Organic Liquids from Storage Tanks. For materials listed in Table 1 of Regulation 8, Rule 5, the owner/operator may use Table 1 to determine vapor pressure, rather than Lab Method 28. If the results are above 25.8 mm Hg (0.5 psia), the owner/operator shall report non-compliance in accordance with Standard Condition I.F and shall submit an application to the District for a new permit to operate for the tank as quickly as possible. [Basis: 8-5-117 and 2-6-409.2]
- 2. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request. [Basis: 2-6-409.2]

CONDITION 21092

CONDITIONS FOR S300, DELAYED COKER

- 1. The owner/operator of S300 shall not exceed a total charging rate to S300 (Coking Unit 200) of 81,000 barrels on any day. [Cumulative Increase]
- 2. The owner/operator shall maintain a file which contains (1) all measurements, records, charts and other data which must be collected pursuant to the provisions of this conditional permit and (2) such other data and calculations necessary to determine actual emissions from emission points covered by this permit. This file (which may contain confidential or proprietary data) shall include, but not be limited to: records of quantities of crude oil and other hydrocarbons processed on an actual daily basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or other data are made or recorded. [BACT, Cumulative Increase]
- 3. Each month, within 30 days of the end of the month, the owner/operator shall make an operational report to the APCO. Each monthly report shall include the following information for the month being reported:
 - a. S300 daily charging rate for all feed streams [BACT, Cumulative Increase]

CONDITION 21094

CONDITIONS FOR S460 HYDROTREATER

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

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

- a. Daily records of feed throughput
- b. Average daily feed rate for each calendar month

[Regulation 2-1-234]

CONDITION 21095

CONDITIONS FOR S304 HYDROTREATER

- 1. The owner/operator of S304 shall not exceed a feed rate of 12,198 bbl/day on a monthly average basis. [Regulation 2-1-234]
- 2. The owner/operator of S304 shall maintain the following records in a District-approved log. These records shall be kept for at least 5 years and shall be made available to the District upon request.
 - a. Daily records of feed throughput
 - b. Average daily feed rate for each calendar month

[Regulation 2-1-234]

CONDITION 21096

CONDITIONS FOR S461 HEATER

- 1. The owner/operator of the S461 heater shall fire only refinery fuel gas or natural gas at this unit. [BACT, Cumulative Increase]
- 2. Based on refinery gas HHV, the owner/operator of S461 shall not exceed the following firing rates:
 - a. 50.2 million btu/hr
 - b. 439,800 million btu in any consecutive 12-month period. [Cumulative Increase]
- 3a. The owner/operator of S461 shall abate emissions from S461 at the A461 SCR system whenever S461 is operated, except that S461 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S461 NOx emission rate whenever S461 operates without abatement. All emission limits applicable to S461 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]
- 3b. The owner/operator of A461 shall not exceed the following emission rates from S461/A461 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

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

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

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

- 4. The owner/operator shall equip S461 with a District-approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]
- 5a. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]
- 5b. Following the initial source test, the owner/operator shall monitor compliance with the CO emission rate limit in Part 3b with a District-approved semi-annual source test, with at least one source test per year deemed by the District to be representative of normal operation. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. The time interval between source tests shall not exceed 8 months. CO source tests performed by the District may be substituted for semi-annual CO source tests. If two or more CO source tests, over any consecutive five year period, indicate a CO emission rate of 200 ppmv @ 3% O2 or higher, the owner/operator shall install and operate a District-approved continuous CO monitor/recorder within the time period specified in the District Manual of Procedures.[BACT, Cumulative Increase]
- 6. The owner/operator shall use only refinery fuel gas at S461 that does not exceed the following limits:
 - a. 100 ppmv totaled reduced sulfur (TRS), averaged over a calendar day
 - b. 45 ppmv TRS, averaged over any rolling consecutive 365-day period.

[BACT, Cumulative Increase]

7a. The owner/operator shall test refinery fuel gas prior to combustion at S461 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8-hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl

mercaptan, methyl sulfide, and dimethyl disulfide.

- 7a.1. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.
- 7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the daily average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S461, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]
- 7c. For the purpose of demonstrating compliance with the H2S limit in 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S461 to determine total H2S concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [60.13(i)]
- 8. Deleted Application 11626.
- 9. Deleted Application 11626.
- 10. The owner/operator shall record the duration of all startups, shutdowns, and heater dryout/warmup periods to determine compliance with parts 3b and 3c. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]

CONDITION 21097

CONDITIONS FOR S36 HEATER

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

- 2. Based on refinery gas HHV, the owner/operator of S36 shall not exceed the following firing rates:
 - a. 82.1 million btu/hr
 - b. 719,200 million btu in any consecutive 12-month period. [Cumulative Increase]
- 3a. The owner/operator of S36 shall abate emissions from S36 at the A36 SCR system whenever S36 is operated, except that S36 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S36 NOx emission rate whenever S36 operates without abatement. All emission limits applicable to S36 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]
- 3b. The owner/operator of S36 shall not exceed the following emission rates from S36/A36 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

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

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

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

- 4. The owner/operator shall equip S36 with a District-approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]
- 5a. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]
- 5b. Following the initial source test, the owner/operator shall monitor compliance with the CO emission rate limit in Part 3b with a District-approved semi-annual source test, with at least one source test per year deemed by the District to be representative of normal operation. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. The time interval between source tests shall not exceed 8 months. CO

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 Districtapproved continuous CO monitor/recorder within the time period specified in the District Manual of Procedures. [BACT, Cumulative Increase]

- 6. The owner/operator shall use only refinery fuel gas at S36 that does not exceed the following limits:
 - a. 100 ppmv totaled reduced sulfur (TRS), averaged over a calendar day
 - b. 45 ppmv TRS, averaged over any rolling consecutive 365-day period.

[BACT, Cumulative Increase]

- 7a. The owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8-hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, and dimethyl disulfide.
 - 7a.1. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.
- 7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the daily average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S36, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]
- 7c. For the purpose of demonstrating compliance with the H2S limit in 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total H2S concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [60.13(i)]

- 8. Deleted Application 11626.
- 9. Deleted Application 11626.
- 10. The owner/operator shall record the duration of all startups, shutdowns, and heater dryout/warmup periods to determine compliance with parts 3b and 3c. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]

CONDITION 21099

CONDITIONS FOR ULSD PROJECT FUGITIVE COMPONENTS

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

[BACT]

- 2. The owner/operator shall equip all flanges/connectors installed in the light hydrocarbon piping systems as part of the USLD Project with graphitic-based gaskets unless the service requirements prevent this material. [BACT]
- 3. The owner/operator shall equip all new hydrocarbon centrifugal compressors installed as part of the USLD Project with "wet" dual mechanical seals with a heavy liquid barrier fluid, or dual dry gas mechanical seals buffered with inert gas. [BACT]
- 4. The owner/operator shall equip all new light hydrocarbon centrifugal pumps installed as part of the USLD Project with a seal-less design or with dual mechanical seals with a heavy liquid barrier fluid, or equivalent. [BACT]
- 5. The owner/operator shall integrate all new fugitive equipment installed as part of the USLD Project, in organic service, into the facility fugitive equipment monitoring and repair program. [BACT]
- 6. The Owner/Operator shall submit a count of installed pumps, compressors, valves, and flanges/connectors every 180 days until completion of the project. For flanges/connectors, the owner/operator shall also provide a count of the number of graphitic-based and non-graphitic gaskets used. The owner/operator has been permitted to install fugitive components (5,410 valves, 2,376 flanges, 3,564 connectors, 26 pumps, 14 compressors) with a total POC emission rate of 8.62 ton/yr. If there is an increase in the total fugitive component emissions, the plant's cumulative emissions for the project shall be adjusted to reflect the difference between emissions based on predicted versus actual component counts. The owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 14 days after the submittal of the final POC fugitive equipment count. If the actual component count is less than the predicted, at the completion of the project, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to owner/operator prior to issuance of the permits.

[BACT, Cumulative Increase, Toxic Management]

CONDITION 21235

REGULATION 9-10 COMPLIANCE

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

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

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

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

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

a. The NOx Box for units with a maximum firing rate of 25 MMbtu/hr or more shall be established using the procedures in Part 4.

b. The NOx Box for units with a maximum firing rate less than 25 MMbtu/hr shall be established as follows: High-fire shall be the maximum rated capacity. Low-fire shall be 20% of the maximum rated capacity. There shall be no maximum or minimum O2.

[Regulation 9-10-502q]

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

a. Conduct District-approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating ranges for the furnace;

b. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating ranges (Note that the minimum O2 at low-fire may be different than the minimum O_2 at high-fire. The same is true for the maximum O2). The owner/operator shall also verify the accuracy of the O2 monitor on an annual basis.

c. Determine the highest NOx emission factor (lb/MMbtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor than tested.

d. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) are the NOx Box, which represents the allowable operating range(s) for the furnace under which the NOx emission factor from part 5a is deemed to be valid.

i. The NOx Box can represent/utilize either one or two emission factors.

ii. The NOx Box for each emission factor can be represented either as a 4 or 5-sided polygon The NOx box is the area within the 4 or 5-sided polygon formed by connecting the source test parameters that lie about the perimeter of successful approved source tests. The source test parameters forming the corners of the NOx box are listed in Part 5.

e. Upon establishment of each NOx Box, the owner/operator shall prepare a graphical representation of the box. The representation shall be made available on-site for APCO review upon request. The box shall also be submitted to the BAAQMD with permit amendments. [Regulation 9-10-502]

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

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

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

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

c. Part 5a does not apply during any source test required or permitted by this condition. See Part 7 for the consequences of source test results that exceed the emission factors in Part 5. [Regulation 9-10-502]

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

i. Source Test <= Emission Factor

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

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

ii. Source Test > Emission Factor

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

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

[Regulation 9-10-502]

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

i. Heater < 25 MMbtu/hr: One source test per consecutive 12 month period. The time interval between source tests shall not exceed 16 months.

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

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

- For each source listed in Part 1 with a NOx CEM installed, the owner/operator shall conduct semi-annual District-approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District-conducted NOx CEM field accuracy tests may be substituted for the CO semi-annual source tests. [Regulation 9-10-502]
- 9. For any source listed in Part 1 for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the owner/operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO

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]

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

FACILITY-WIDE REQUIREMENTS

CONDITION 20989

A. THROUGHPUT LIMITS

The following limits are imposed through this permit in accordance with Regulation 2-1-234.3. Sources require BOTH hourly/daily and annual throughput limits (except for tanks and similar liquid storage sources, and small manually operated sources such as cold cleaners which require only annual limits). Sources with previously imposed hourly/daily AND annual throughput limits are not listed below; the applicable limits are given in the specific permit conditions listed above in this section of the permit. Also, where hourly/daily capacities are listed in Table II-A, these are considered enforceable limits for sources that have a New Source Review permit. Throughput limits imposed in this section and hourly/daily capacities listed in Table II-A are not federally enforceable for grandfathered sources. Grandfathered sources are indicated with an asterisk in the source number column in the following table. Refer to Title V Standard Condition J for clarification of these limits.

In the absence of specific recordkeeping requirements imposed as permit conditions, monthly throughput records shall be maintained for each source.

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
15	Table II-A	19.9 E 6 therm total at S15 through S19
16	Table II-A	19.9 E 6 therm total at S15 through S19
17	Table II-A	19.9 E 6 therm total at S15 through S19
18	Table II-A	19.9 E 6 therm total at S15 through S19
19	Table II-A	19.9 E 6 therm total at S15 through S19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
29	Table II-A	8.6 E 6 therm
30	Table II-A	4.2 E 6 therm
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*97	NA for tank	1.1 E 7 bbl
*100	NA for tank	4.38 E 6 bbl
101	NA for tank	3.68 E 9 gal
102	NA for tank	3.68 E 9 gal
106	NA for tank	3.68 E 9 gal
*107	NA for tank	8.76 E 6 bbl
*110	NA for tank	1.40 E 7 bbl
*111	NA for tank	1.31 E 7 bbl
*112	NA for tank	1.49 E 7 bbl
*113	NA for tank	1.49 E 7 bbl
*114	NA for tank	1.31 E 7 bbl
*115	NA for tank	4.38 E 6 bbl
*117	NA for tank	8.76 E 5 bbl
*118	NA for tank	15,000 bbl
*121	NA for tank	3.52 E 4 bbl
*122	NA for tank	4.38 E 6 bbl
*125	NA for tank	1.05 E 7 bbl
*126	NA for tank	1.05 E 7 bbl
*128	NA for tank	5.1 E 6 bbl
129	NA for tank	4.6 E 6 bbl
133	NA for tank	8.76 E 5 bbl
*134	NA for tank	1.31 E 7 bbl
*139	NA for tank	2.74 E 6 bbl
*140	NA for tank	2.74 E 6 bbl
150	NA for tank	4.38 E 7 bbl
151	NA for tank	4.38 E 7 bbl
*177	NA for tank	2.63 E 7 bbl
178	NA for tank	3.50 E 7 bbl
183	NA for tank	4.38 E 5 bbl
184	NA for tank	4.38 E 6 bbl
*193	NA for tank	100 bbl
*194	NA for tank	100 bbl
195	NA for tank	525,600 bbl for S195, S196, S388 (combined)
196	NA for tank	525,600 bbl for S195, S196, S388 (combined)
*216	NA for tank	4.6 E 6 bbl

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*238	NA for tank	1.00 E 6 bbl
*239	NA for tank	8.76 E 6 bbl
*254	NA for tank	7.01 E 7 bbl
*255	NA for tank	7.01 E 7 bbl
*256	NA for tank	7.01 E 7 bbl
*257	NA for tank	7.01 E 7 bbl
*258	NA for tank	7.01 E 7 bbl
*259	NA for tank	7.01 E 7 bbl
*261	NA for tank	7.01 E 7 bbl
294	20 gpm	400,000 gallons
301	Table II-A	98,915 long ton for S301,
		\$302, \$303
302	Table II-A	98,915 long ton for S301, S302, S303
303	Table II-A	98,915 long ton for S301, S302, S303
305	Table II-A	10.22 E 6 bbl
306	Table II-A	7.67 E 6 bbl
307	Table II-A	1.533 E 7 bbl
308	Table II-A	5.87 E 6 bbl
*309	Table II-A	6.11 E 6 bbl
*318	Table II-A	3.3 E 7 bbl
*319	Table II-A	3.51 E 6 bbl
324	Table II-A	3.68 E 9 gallons
336	Table II-A	9.2 E 6 therm
337	Table II-A	2.8 E 6 therm
*338	Table II-A	6.6 E 10 ft3
*339	Table II-A	5.26 E 7 bbl
340	NA for tank	7.67 E 6 bbl
341	NA for tank	4.38 E 7 bbl
342	NA for tank	4.38 E 7 bbl
343	NA for tank	4.38 E 7 bbl
351	Table II-A	8.4 E 6 therm
360	NA for tank	2.78 E 6 bbl
370	Condition 12121	4.03 E6 bbl
371	Table II-A	4.8 E6 therm for S371/S372
372	Table II-A	4.8 E6 therm for S371/S372
380	0.45 ton/hr	3,942 ton
381	420,000 gal/hr	3.68 E 9 gal
382	420,000 gal/hr	3.68 E 9 gal
383	420,000 gal/hr	3.68 E 9 gal
384	420,000 gal/hr	3.68 E 9 gal

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
385	Table II-A	3.68 E 9 gal
386	3600 gal/hr	3.2 E 7 gal
387	Table II-A	13.14 E 6 gal
388	Table II-A	525,600 bb1 for S195, S196,
		S388 (combined)
389	0.21 ton/hr	1840 ton
390	N/A for tank	7.884 E 6 gal
392	N/A for tank	7.884 E 6 gal
400	N/A for sump	3.68 E 9 gal
401	N/A for sump	3.68 E 9 gal
432	Table II-A	2.8 E6 bbl
435	Table II-A	6.6 E 6 bbl
436	Table II-A	4.7 E 6 bbl
437	Table II-A	9.1 E 9 ft3
462	Table II-A	1.533 E 9 ft3
463	Table II-A	365,000 bbl
1001	Table II-A	98,915 long ton for S1001,
		S1002, S1003
1002	Table II-A	98,915 long ton for S1001,
		S1002, S1003
1003	Table II-A	98,915 long ton for S1001,
		S1002, S1003
1007	Table II-A	3.68 E 9 gal

B. OTHER REQUIREMENTS

 The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit, and, for any unscheduled startup or shutdown of a process unit, within 48 hours or within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. [Regulation 2-1-403]

CONDITION 22478

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

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

- 2. The owner/operator shall ensure that the emissions of S124 do not exceed 6,815 lb VOC in any consecutive 12-month period. S124 shall only contain petroleum liquids. [Cumulative Increase]
- 3. The owner/operator shall ensure that the emissions of S186 do not exceed 2,231 lb VOC in any consecutive 12-month period. S186 shall only contain petroleum liquids. [Cumulative Increase]
- 4. The owner/operator shall ensure that S334 contains only crude oil or a less volatile petroleum liquid with a true vapor pressure less than or equal to 6.75 psia. [Cumulative Increase]
- 5. The owner/operator shall ensure that the throughput of petroleum liquids at S123 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]
- 6. The owner/operator shall ensure that the throughput of crude oil or other petroleum liquids at S334 does not exceed 5,000,000 barrels/yr. [Cumulative Increase]
- 7. The owner/operator shall equip S123, S124, S186, and S334 with a BAAQMD approved roof with mechanical shoe primary seal and zero gap secondary seal meeting the design criteria of BAAQMD Regulation 8, Rule 5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]
- 8. The owner/operator shall calculate the emissions of S124 and S186 on a calendar month basis using the AP-42 equations. The owner/operator shall use actual throughputs, actual vapor pressures, and actual temperature data for each month. The owner/operator shall calculate the emissions for the last 12-month period on a monthly basis. The calculations shall be complete within a calendar month after the end of each monthly period. [Cumulative increase]

CONDITION 22518

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

- 1. The owner/operator shall ensure that S135 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]
- 2. The owner/operator shall ensure that S137 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]
- 3. The owner/operator shall ensure that the throughput of petroleum liquids at S135 and S137 does not exceed 10,000,000 barrels/yr at each tank. [Cumulative Increase]
- 4. The owner/operator shall ensure that S135 and S137 are controlled at all times that petroleum fluids are stored in the tanks by A7, Vapor Recovery System. [Cumulative

Increase]

5. The owner/operator shall not clean S135 and S137 when switching from one petroleum fluid to another. [Cumulative Increase]

CONDITION 22549

Source 318, U76 Gasoline/Mid Barrel Blending Unit

- 1. The owner/operator shall ensure that the daily throughput of petroleum liquids, excluding diesel, at S318, U76 Gasoline/Mid Barrel Blending Unit, does not exceed 113,150 barrels/day. No daily limit is placed on diesel. [Cumulative Increase]
- 2. The owner/operator shall keep daily records of throughput of all petroleum fluids at S318, U76 Gasoline/Mid Barrel Blending Unit, in a District-approved log. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 22121

For Sources S452, S453, S455, S457, S458, S500, Cooling Towers (Application 10349)

- 1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water at each cooling tower above on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]
- 2. The owner/operator shall take a sample of the cooling tower water 3 times per week at each cooling tower above and analyze for chlorine content as an indicator of hydrocarbon leakage into the cooling water. On a monthly basis, the owner/operator shall sample the water in the inlet line and in the return line of each cooling tower and determine the VOC content in each line using EPA laboratory method 8015. [Regulation 2-6-503]
- 3. The owner/operator shall maintain monthly records of sodium hypochlorite (NaOCl) usage at each cooling tower above. [Regulation 2-6-501]
- 4. *The owner/operator shall sample the cooling tower water at each cooling tower at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [Regulations 2-6-503, Regulation 3]
- 5. If the monitoring in part 1 or part 2 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]
- 6. If the monitoring in part 1 or part 2 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine

the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs at Sources S452, S457, S458, or S500, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at any source. If more than 5 tons VOC per year is emitted at S452, S457, S458, or S500, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]

- 7. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling towers. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that S452 has not emitted more than 5 tons particulate per year. [Regulations 2-1-319.1, 3]
- 8. The owner/operator shall maintain the following records for five years from the date of record:
 - a. Records of daily visual inspection
 - b. Records of chlorine content every shift (twice/day)
 - c. Records of daily usage of sodium hypochlorite
 - d. Records of monthly determination of total dissolved solids
 - e. Records of any indications of hydrocarbon leaks
 - f. Records of any analyses of VOC content in cooling tower inlet and outlet

[Regulation 2-6-501]

CONDITION 22122

For Source S456, Cooling Tower (Application 10349)

- 1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]
- 2. The owner/operator shall sample the cooling tower water at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [basis: Regulations 2-6-503, 3]
- 3. If the monitoring in part 1 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]
- 4. If the monitoring in part 1 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at the source. If more than 5 tons VOC per year is emitted at the source, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]
- 5. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling tower. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that the cooling tower has not emitted more than 5 tons particulate per year. [Regulation 2-6-501, 3]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), semi-annual (SA), hourly (H), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	40 CFR	Y		Exemption for facilities	40 CFR	P/A	Records,
	61.342(a)			with less than 10 Mg/yr of	61.357 (c)		report
				benzene in waste			
HAP	40 CFR	Y		wastewater standards of 40	40 CFR	P/A	report
	63.647(a)			CFR 61.340 to 61.355 are	63.654(a)		
				applicable			
VOC	BAAQMD	Y		emission streams with 15	None	Ν	None
	8-2-301			lb/day AND 300 ppm total			
				carbon on a dry basis			
				prohibited			
VOC	BAAQMD	Ν		5 ton/yr per solvent, surface	None	Ν	None
	8-4-302.1			coating source			
	and						
	SIP 8-4-302						
		Y					

Table VII – All Sources Facility-Specific Generally Applicable Requirements

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Tank cleaning control	BAAQMD	P/A	source test
	8-5-328.2			device standard includes	8-5-502		
				90% abatement efficiency			
				requirement			
VOC	40 CFR	Y		VOC concentrations shall	40 CFR	P/Q-visual	Visual
	60.112b(a)			not exceed 500 ppmv above	63.642(e),	and A	inspections,
	(2) and			background	63.642(f) and	measure-	portable HC
	63.647(a)				63.654(i)(4)	ments and	detector
						reports	(EPA
							Method 21)
							and records
							of detectable
							emissions,
							inspections
							and repairs
Opacity	BAAQMD	Y		Ringelmann No. 1 for no	None	Ν	None
	6-301			more than 3 minutes/hour			
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous fired		
					sources		
FP	BAAQMD	Y		No emissions from source >	None for	Ν	None
	6-311			rate specified in rule	gaseous fired		
					sources		
SO2	BAAQMD	Y		ground level SO2	at the request	С	SO2 GLM
	9-1-301			concentrations (0.5 ppm for	of the		
				3 min; 0.25 ppm for 60	District,		
				min; 0.05 ppm for 24 hr)	9-1-501		
					requires		
					compliance		
					with		
					BAAQMD		
					1-510		

Table VII – All Sources Facility-Specific Generally Applicable Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-313.2	N	240	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams; operation of a sulfur recovery plant	None	N	
SO2	SIP 9-1-313.2	Y		operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	None	Ν	
H2S	BAAQMD 9-2-301	Ν		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	С	Area Monitoring

Table VII – All Sources Facility-Specific Generally Applicable Requirements

	S2 – UNIT 229, B-301 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/A	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		528 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1b				A.5						
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S2, S3,	Condition						
	1694, Part			S4, S5, S7	1694, Part F.3						
	F.2										
O2		Ν		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test				
CO	9-10-305	IN		400 ppinv (dry, $5\% O_2$)	9-10-502.1	r/A	source test				
	9-10-303				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None				
opaony	6-301	1		than 3 minutes in any hour	1,0110	÷ 1	1.0110				
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None				
- •	6-305	-		· · · · · · · · · · · · · · · · · · ·		- 1					

Table VII – A.1Applicable Limits and Compliance Monitoring RequirementsS2 – UNIT 229, B-301 HEATER

	S2 – UNIT 229, B-301 HEATER									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous fired					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			

Table VII – A.1 Applicable Limits and Compliance Monitoring Requirements S2 – UNIT 229, B-301 HEATER

Table VII – A.2
Applicable Limits and Compliance Monitoring Requirements
S3 – UNIT 230, B-201 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		1,488 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1a				A.5		

53 – UNIT 230, B-201 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records			
	Condition			over any year at S2, S3,	Condition					
	1694, Part			S4, S5, S7	1694, Part F.3					
	F.2									
O2		Ν		No limit	BAAQMD	С	O2 Monitor			
					9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 2					
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None			
1 5	6-301			than 3 minutes in any hour						
				(gaseous fuel firing)						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	BAAQMD	P/E (before	visual			
1 5	6-301			than 3 minutes in any hour	Condition	1 million	inspection			
				(liquid fuel firing)	1694, Part	gallons of	-1			
					A.2c	liquid fuel				
						combusted)				
Opacity	BAAQMD	Y		No visible emissions	BAAQMD	P/E	visual			
1	Condition				Condition		inspection			
	1694, Part				1694, Part		, I			
	A.2b				A.2b					
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None			
	-									
FP		Y		0.15 grain/dscf @ 6% O2	None	Ν	None			
- •	-	-		e 0		- •				
FP	6-305 BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2 (gaseous fuel firing)	None	N	None			

Table VII – A.2Applicable Limits and Compliance Monitoring RequirementsS3 – UNIT 230, B-201 HEATER

	S3 – UNIT 230, B-201 HEATER										
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	BAAQMD	P/E (before	visual				
	6-310.3			(liquid fuel firing)	Condition	1 million	inspection				
					1694, Part	gallons of					
					A.2c	liquid fuel					
						combusted)					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month from non-	Condition	per day	analysis				
	1694, Part			cogeneration sources	1694, Part						
	A.4				A.3a						
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S				
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer				
	(1)			(0.10 gr/dscf)							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

Table VII – A.2Applicable Limits and Compliance Monitoring RequirementsS3 – UNIT 230, B-201 HEATER

Table VII – A.3Applicable Limits and Compliance Monitoring RequirementsS4 – UNIT 231, B-101 HEATER

		-		,			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			

-	S4 – UNIT 231, B-101 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
Heat input	BAAQMD	Y		2,304 MMbtu/day	BAAQMD	P/D	records					
	Condition				Condition							
	1694, Part				1694, Part							
	A.1b				A.5							
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records					
	Condition			over any year at S2, S3,	Condition							
	1694, Part			S4, S5, S7	1694, Part F.3							
	F.2											
O2		Ν		No limit	BAAQMD	С	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 2							
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None					
	6-305											
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							

Table VII – A.3Applicable Limits and Compliance Monitoring RequirementsS4 – UNIT 231, B-101 HEATER

	54 – UNII 251, D-IVI HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S				
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer				
	(1)			(0.10 gr/dscf)							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

Table VII – A.3Applicable Limits and Compliance Monitoring RequirementsS4 – UNIT 231, B-101 HEATER

Table VII – A.4Applicable Limits and Compliance Monitoring RequirementsS5 – UNIT 231, B-102 HEATER

	55 – UNIT 251, D-102 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		2,496 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1b				A.5						
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S2, S3,	Condition						
	1694, Part			S4, S5, S7	1694, Part F.3						
	F.2										

55 – UNIT 251, B-102 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
O2		Ν		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month from non-	Condition	per day	analysis				
	1694, Part			cogeneration sources	1694, Part						
	A.4				A.3a						
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S				
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer				
	(1)			(0.10 gr/dscf)							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

Table VII – A.4Applicable Limits and Compliance Monitoring RequirementsS5 – UNIT 231, B-102 HEATER

	S7 – UNIT 231, B-103 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMbtu								
Heat input	BAAQMD	Y		1,536 MMbtu/day	BAAQMD	P/D	records					
	Condition			,	Condition							
	1694, Part				1694, Part							
	A.1a				A.5							
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records					
iii uu iiip uu	Condition			over any year at S2, S3,	Condition	1,111	1000100					
	1694, Part			S4, S5, S7	1694, Part F.3							
	F.2			51, 55, 57	1071,14111.5							
02	1.2	N		No limit	BAAQMD	С	O2 Monitor					
02		11			9-10-502.1	C	02 monitor					
					9-10-302.1							
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
0	9-10-305	1		400 ppmv (dry, 570 O ₂)	9-10-502.1	1/5/1	source test					
	9-10-505				9-10-302.1							
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None None	N	None					
Opacity	6-301	1		than 3 minutes in any hour	INUIIC	1N	INUIIC					
	0-301			(gaseous fuel firing)								
	l .			(gaseous ruer nring)	<u>I</u>							

Table VII – A.5Applicable Limits and Compliance Monitoring RequirementsS7 – UNIT 231, B-103 HEATER

	57 – UNIT 251, D-103 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	BAAQMD	P/E (before	visual					
	6-301			than 3 minutes in any hour	Condition	1 million	inspection					
				(liquid fuel firing)	1694, Part	gallons of						
					A.2c	liquid fuel						
						combusted)						
Opacity	BAAQMD	Y		No visible emissions	BAAQMD	P/E	visual					
	Condition				Condition		inspection					
	1694, Part				1694, Part							
	A.2b				A.2b							
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None					
	6-305											
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None	Ν	None					
	6-310.3			(gaseous fuel firing)								
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	BAAQMD	P/E (before	visual					
	6-310.3			(liquid fuel firing)	Condition	1 million	inspection					
					1694, Part	gallons of						
					A.2c	liquid fuel						
						combusted)						
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S					
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer					
	(1)			(0.10 gr/dscf)								
Fuel Flow		Y		No limit	BAAQMD	С	Fuel					
					9-10-502.2		Flowmeter					

Table VII – A.5Applicable Limits and Compliance Monitoring RequirementsS7 – UNIT 231, B-103 HEATER

	S8 – UNIT 240, B-1 BOILER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM					
				CO2)	1-520.1							
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMbtu								
Heat input	BAAQMD	Y		6,144 MMbtu/day	BAAQMD	P/D	records					
	Condition				Condition							
	1694, Part				1694, Part							
	A.1b				A.5							
Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records					
	Condition			over any year at S8, S9,	Condition							
	1694, Part			S10, S11, S12, S13,	1694, Part F.3							
	F.1			S14								
O2		Y			BAAQMD	С	O2 Monitor					
					1-520.1							
O2		Ν		No limit	BAAQMD	С	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 8							

Table VII – A.6 Applicable Limits and Compliance Monitoring Requirements S8 – UNIT 240, B-1 BOILER

1	58 – UNIT 240, B-1 BOILER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
Opacity	BAAQMD	Y		During tube cleaning,	None for	Ν	None					
	6-304			Ringelmann No. 2 for 3	gaseous-							
				min/hr and 6 min/billion	fueled							
				btu in 24 hours; applies to	sources							
				sources rated over 140								
				MMbtu/hr (with tubes)								
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None					
	6-305											
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S					
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer					
	(1)			(0.10 gr/dscf)								
Fuel Flow		Y		No limit	BAAQMD	С	Fuel					
					9-10-502.2		Flowmeter					

Table VII – A.6 Applicable Limits and Compliance Monitoring Requirements S8 – UNIT 240, B-1 BOILER

	<u>S9 – Unit 240, B-2 Boiler</u>											
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMbtu								
Heat input	BAAQMD	Y		1,464 MMbtu/day	BAAQMD	P/D	records					
	Condition				Condition							
	1694, Part				1694, Part							
	A.1b				A.5							
Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records					
	Condition			over any year at S8, S9,	Condition							
	1694, Part			S10, S11, S12, S13,	1694, Part F.3							
	F.1			S14								
02		Ν		No limit	BAAQMD	С	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305			11 (), 2)	9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							

Table VII – A.7Applicable Limits and Compliance Monitoring RequirementsS9 – UNIT 240, B-2 BOILER

	59 – UNIT 240, B-2 BOILER										
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month from non-	Condition	per day	analysis				
	1694, Part			cogeneration sources	1694, Part						
	A.4				A.3a						
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S				
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer				
	(1)			(0.10 gr/dscf)							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

Table VII – A.7Applicable Limits and Compliance Monitoring RequirementsS9 – UNIT 240, B-2 BOILER

 Table VII – A.8

 Applicable Limits and Compliance Monitoring Requirements

 S10 – UNIT 240, B-101 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		5,352 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		

Limitof LimitY/NDateLimitCitation(P/C/N)TypeHeat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/Mrecords1694, Part-S10, S11, S12, S13, S141694, Part F.302NNNo limitBAAQMD ore any year at S8, S9, S10, S11, S12, S13, S14BAAQMD ore any year at S8, S9, S10, S11, S12, S13, 9-10-502.1C02 Monit 9-10-502.102NNNo limitBAAQMD ore any year at S8, S9, S10, S11, S12, S13, 9-10-502.1C02 Monit 9-10-502.102NNAutomatic and any set of any set		1			- UNII 240, D-101 HE	T		
Limitof LimitV/NDateLimitCitation(P/C/N)TypeHeat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, F.1BAAQMDP/MrecordsO2NNS10, S11, S12, S13, S141694, Part F.3ConditionCO2 MonitO2NNNo limitBAAQMD OreginationCO2 MonitO2NNAnd Mark and A				Future		Monitoring	Monitoring	
Heat input Heat input Condition 1694, Part F.1Y 993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD Condition 1694, Part F.3P/M recordsO2NNNo limitBAAQMD 9-10-502.1CO2 MonitO2NNNo limitBAAQMD 0-10-502.1CO2 MonitO2NNNo limitBAAQMD 0-10-502.1CO2 MonitO2NN400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource teO39-10-305N400 ppmv (dry, 3% O2)BAAQMD 0-10-502.1P/SAsource teOpacityBAAQMD 6-304YDuring 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 sourcesNNone orcesOpacityBAAQMD YYRingelmann 1 for no moreNone for NNNone	Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Condition 1694, Part F.1Condition over any year at S8, S9, S10, S11, S12, S13, S14Condition 1694, Part F.3O2NNNo limitBAAQMD -10-502.1CO2 Monit -10-502.1O2NNNo limitBAAQMD -10-502.1CO2 Monit -10-502.1COBAAQMD -10-305N400 ppmv (dry, 3% O2)BAAQMD -10-502.1P/SA -10-502.1source te -10-502.1COBAAQMD -10-305N400 ppmv (dry, 3% O2)BAAQMD -10-502.1P/SA -10-502.1source te -10-502.1COBAAQMD -10-305YDuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion -10-100None for -10-502.1NNone -10-502.1OpacityBAAQMD 	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
1694, Part F.1S10, S11, S12, S13, S141694, Part F.3O2NNNo limitBAAQMD 9-10-502.1CO2 MonitO2NNNo limitBAAQMD Condition 21235, Part 2CO2 MonitCOBAAQMD 9-10-305N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SA 9-10-502.1source teCOBAAQMD 9-10-305N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SA 9-10-502.1source teOpacityBAAQMD 6-304YDuring 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 sourcesNNone fueled sourcesOpacityBAAQMD YYRingelmann 1 for no moreNone for NNNone	Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records
F.1S14O2NNNo limitBAAQMD 9-10-502.1CO2 MonitO4NNo limitBAAQMD Condition 21235, Part 2CO2 MonitC0BAAQMDN400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource teP-10-305N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource teOpacityBAAQMD 400YDuring 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 sources for NNone None for None for None forNone for NNoneOpacityBAAQMD 4 MMbtu/hr (with tubes)YRingelmann 1 for no moreNone for None forNone		Condition			over any year at S8, S9,	Condition		
O2NNNo limitBAAQMD 9-10-502.1CO2 Monit9-10-502.1BAAQMD Condition 21235, Part 2CO2 MonitCOBAAQMD 9-10-305N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource te9-10-305P-10-305P/SABAAQMD P/SAP/SAsource te0pacityBAAQMD 6-304YDuring 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 sourcesNNoneOpacityBAAQMD YYRingelmann 1 for no more None forNone for NNNone		1694, Part			S10, S11, S12, S13,	1694, Part F.3		
OpacityBAAQMDYPrince <td></td> <td>F.1</td> <td></td> <td></td> <td>S14</td> <td></td> <td></td> <td></td>		F.1			S14			
COBAAQMD Condition 21235, Part 2BAAQMD Condition 21235, Part 2COBAAQMDN 9-10-305400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SA 9-10-502.1OpacityBAAQMD For the source of the	O2		Ν		No limit	BAAQMD	С	O2 Monitor
COBAAQMDN400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-3059400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-3059BAAQMDP/SAsource te9-10-3059BAAQMDP/SAsource te9-10-305BAAQMDP/SABAAQMDP/SA0 pacityBAAQMDYDuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billionNone for sourcesN0 pacityBAAQMDYDuring tube cleaning, MMbtu/hr (with tubes)None for sourcesN0 pacityBAAQMDYRingelmann No. 2 for 3 sources rated over 140 MMbtu/hr (with tubes)sources0 pacityBAAQMDYRingelmann 1 for no moreNone for None forN						9-10-502.1		
COBAAQMDN400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-3059-10-3051400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-502.19-10-502.11111101111111011111110111111101111111011111110111111101111111011111110111111101111111011111110111111101111111011111110111111101111111011111110111111101111111								
COBAAQMDN400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-3059-10-305400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-502.1BAAQMDP/SASource te9-10-502.1BAAQMD00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>BAAQMD</td> <td></td> <td></td>						BAAQMD		
COBAAQMDN400 ppmv (dry, 3% O2)BAAQMDP/SAsource te9-10-3059-10-305NBAAQMD9-10-502.1BAAQMDSource te9-10-502.1BAAQMDCondition21235, Part 8BAAQMDSource teOpacityBAAQMDYDuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billionNone for gaseous- fueledNNoneOpacityBAAQMDYMMbtu/hr (with tubes)SourcesSourcesOpacityBAAQMDYRingelmann 1 for no moreNone for None forNNone						Condition		
9-10-3059-10-3059-10-502.19-10-3059-10-502.1BAAQMDCondition 21235, Part 8OpacityBAAQMDYOpacityBAAQMD6-304YDuring 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)OpacityBAAQMDOpacityBAAQMDYRingelmann 1 for no moreNone for None forNNoneOpacityBAAQMDYRingelmann 1 for no moreNone for None forN						21235, Part 2		
OpacityBAAQMDYDuring 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 sourcesNOpacityBAAQMD HYDuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sourcesNone for sourcesNOpacityBAAQMDYRingelmann 1 for no moreNone forNOpacityBAAQMDYRingelmann 1 for no moreNone forN	СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
OpacityBAAQMD 6-304YDuring 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 sourcesNOpacityBAAQMD YYRingelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sourcesSourcesOpacityBAAQMD YYRingelmann 1 for no moreNone for NN		9-10-305				9-10-502.1		
OpacityBAAQMD 6-304YDuring 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 sourcesNOpacityBAAQMD YYRingelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sourcesSourcesOpacityBAAQMD YYRingelmann 1 for no moreNone for NN								
OpacityBAAQMDYDuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sourcesNone for gaseous- fueled sourcesNNoneOpacityBAAQMDYRingelmann 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 fueledNNoneOpacityBAAQMDYRingelmann 1 for no moreNone forNNone						BAAQMD		
Opacity BAAQMD 6-304 Y During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sources rated over 140 MMbtu/hr (with tubes) None for gaseous- fueled sources N None Opacity BAAQMD Y Ringelmann 1 for no more None for N None						Condition		
6-304 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) gaseous- fueled sources Opacity BAAQMD Y Ringelmann 1 for no more None for N						21235, Part 8		
Opacity BAAQMD Y Ringelmann 1 for no more None for N None	Opacity	BAAQMD	Y		During tube cleaning,	None for	Ν	None
Opacity BAAQMD Y Bingelmann 1 for no more None for N None		6-304			Ringelmann No. 2 for 3	gaseous-		
Opacity BAAQMD Y Ringelmann 1 for no more None for N None					min/hr and 6 min/billion	fueled		
Opacity BAAQMD Y MMbtu/hr (with tubes)					btu in 24 hours; applies to	sources		
Opacity BAAQMD Y Ringelmann 1 for no more None for N None					sources rated over 140			
					MMbtu/hr (with tubes)			
	Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
6-301 than 3 minutes in any hour gaseous-		6-301			than 3 minutes in any hour	gaseous-		
fueled						fueled		
sources						sources		
FP BAAQMD Y Prohibition of nuisance None N None	FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
6-305		6-305						
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for N None	FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
6-310.3 gaseous-		6-310.3				gaseous-		
fueled						fueled		
Sources						sources		

Table VII – A.8Applicable Limits and Compliance Monitoring Requirements\$10 – UNIT 240, B-101 HEATER

		-	S10 -	- UNIT 240, B-101 HE	ATER		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.8Applicable Limits and Compliance Monitoring Requirements\$10 – UNIT 240, B-101 HEATER

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
S11 – UNIT 240, B-201 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		2,592 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records
	Condition			over any year at S8, S9,	Condition		
	1694, Part			S10, S11, S12, S13,	1694, Part F.3		
	F.1			S14			

			511-	- UNII 240, В-201 НЕ	AILN		I
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
O2		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.9Applicable Limits and Compliance Monitoring RequirementsS11 – UNIT 240, B-201 HEATER

Limitof LimitY/NDateLimitCitation(P/C/N)TypeNOxBAAQMDNNRefinery-wide emissions: 0.033 lb NOx/ MMbtuBAAQMDP/SAsource test9-10-301VImage: Condition on the second		h		512 -	- UNIT 240, B-202 HE			
Limitof LimitV/NDateLimitCitation(PC/N)TypeNOxBAAQMDNSource test0.033 lb NOx/ MMbtu9-10-502.1P/SAsource test9-10-301NNNRefinery-wide emissions: 0.033 lb NOx/ MMbtuBAAQMD 9-10-502.1P/SAsource testNOxBAAQMDYFederal emissions: 0.20 lb NOx/MMbtuBAAQMD Condition 21235, Part 7NoneNNoneNOxBAAQMDYFederal emissions: 0.20 lb NOx/MMbtuNoneNNoneHeat inputBAAQMDY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.1bP/DrecordsHeat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, F.1BAAQMD S10, S11, S12, S13, S14P/MrecordsO2NNNo limitBAAQMD GonditionCO2 MonitorO2NNNo limitBAAQMD GonditionCO2 Monitor				Future		Monitoring	Monitoring	
NOxBAAQMDNRefinery-wide emissions: 0.033 lb NOx/ MMbtuBAAQMD 9-10-502.1P/SAsource test9-10-3019-10-301NRefinery-wide emissions: 0.033 lb NOx/ MMbtuBAAQMD Condition 21235, Part 7Source testNOxBAAQMD 9-10-303YFederal emissions: 0.20 lb NOx/MMbtuNoneNNoneHeat inputBAAQMD Condition 1694, Part A.1bYFederal emissions: 0.20 lb NOx/MMbtuBAAQMD Condition 1694, Part A.5P/DrecordsHeat inputBAAQMD Condition 1694, Part A.1bY993.7 MMbtu/hr averaged S10, S11, S12, S13, S14BAAQMD Condition 1694, Part F.3P/MrecordsO2NNoNo limitBAAQMD ConditionCO2 Monitor	Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
9-10-3019-10-3010.033 lb NOx/ MMbtu9-10-502.1BAAQMDBAAQMDBAAQMDCondition0.003YFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtuNoneNHeat inputBAAQMDY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.1bY1,008 MMbtu/dayHeat inputBAAQMDY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.1bP/DrecordsHeat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/MrecordsO2NNNo limitBAAQMD Condition ICO2 MonitorO2 Monitor	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOxBAAQMD S-10-303YFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtuNoneNHeat inputBAAQMD S-10-303YFederal emissions: 0.20 lb NOx/MMbtuNoneNNoneHeat inputBAAQMD Condition 1694, Part A.1bY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.5P/DrecordsHeat inputBAAQMD Condition 1694, Part Condition 1694, Part F.1Y993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD Condition I694, Part F.3P/MrecordsO2NNNo limitBAAQMD O 2 MonitorCO2 Monitor	NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
NOxBAAQMDYFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtuNoneNHeat inputBAAQMDY1,008 MMbtu/dayBAAQMDP/DrecordsImage: Condition 1694, Part A.1bY1,008 MMbtu/dayBAAQMDP/DrecordsHeat inputBAAQMDY1,008 MMbtu/dayBAAQMDP/DrecordsImage: Condition 1694, Part A.1bY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/MrecordsO2NNNo limitBAAQMD ConditionCO2 Monitor		9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOxBAAQMDYFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtuNoneNHeat inputBAAQMDY1,008 MMbtu/dayBAAQMDP/DrecordsImage: Condition 1694, Part A.1bY1,008 MMbtu/dayBAAQMDP/DrecordsHeat inputBAAQMDY1,008 MMbtu/dayBAAQMDP/DrecordsImage: Condition 1694, Part A.1bY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/MrecordsO2NNNo limitBAAQMD ConditionCO2 Monitor								
Image: NomeImage: NomeImage: NomeNomeNomeNOxBAAQMDYFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtuNoneNoneHeat inputBAAQMDY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.1bY1,008 MMbtu/dayHeat inputBAAQMDY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.5P/DrecordsHeat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD ConditionP/MrecordsO2NNNo limitBAAQMD SAAQMD ConditionCO2 Monitor						BAAQMD		
NOxBAAQMD 9-10-303YFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMbtuNoneNNoneHeat inputBAAQMD Condition 1694, Part A.1bY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.5P/DrecordsHeat inputBAAQMD Condition 1694, Part A.1bY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD Condition 1694, Part F.3P/MrecordsO2NNoNo limitBAAQMD ConditionCO2 Monitor						Condition		
9-10-303Refinery-wide emissions: 0.20 lb NOx/MMbtuImage: Constraint of the second s						21235, Part 7		
Image: constraint of the second sec	NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
Heat inputBAAQMD Condition 1694, Part A.1bY1,008 MMbtu/dayBAAQMD Condition 1694, Part A.5P/DrecordsHeat inputBAAQMD A.1bY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD ConditionP/MrecordsO2NNNo limitBAAQMD over any beam of the second S10, S11, S12, S13, S14CO2 Monitor		9-10-303			Refinery-wide emissions:			
Condition 1694, Part A.1bCondition 1694, Part A.1bCondition 1694, Part A.5Heat inputBAAQMD ConditionY Over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD ConditionP/M recordsO2NNNo limitBAAQMD O2 MonitorC O2 MonitorO2 Monitor					0.20 lb NOx/MMbtu			
1694, Part A.1b1694, Part A.1b1694, Part A.51694, Part A.5Heat inputBAAQMDY Condition993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/M Condition1694, Part F.1S10, S11, S12, S13, S141694, Part F.3recordsO2NNNo limitBAAQMD O2C O2 MonitorO2NNNo limitBAAQMD ConditionO2 Monitor O2	Heat input	BAAQMD	Y		1,008 MMbtu/day	BAAQMD	P/D	records
A.1bA.5Heat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/MrecordsI694, PartS10, S11, S12, S13, S14I694, Part F.3O2NNo limitBAAQMDCO2NNo limitBAAQMDCO2 MonitorIII		Condition				Condition		
Heat inputBAAQMDY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMDP/MrecordsO2NNNo limitBAAQMDCO2 MonitorO2NNo limitBAAQMDCO2 MonitorO2NNo limitBAAQMDCO2 Monitor		1694, Part				1694, Part		
Condition 1694, Part F.1over any year at S8, S9, S10, S11, S12, S13, S14Condition 1694, Part F.3O2NNo limitBAAQMD 9-10-502.1O2 MonitorD2NNo limitBAAQMD ConditionO2 Monitor		A.1b				A.5		
1694, Part S10, S11, S12, S13, S14 1694, Part F.3 O2 N No limit BAAQMD 9-10-502.1 C O2 Monitor Image: Single state s	Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records
F.1 S14 O2 N No limit BAAQMD 9-10-502.1 BAAQMD Condition		Condition			over any year at S8, S9,	Condition		
O2 N No limit BAAQMD C O2 Monitor 9-10-502.1 BAAQMD C O2 Monitor Condition Condition C O2 Monitor		1694, Part			S10, S11, S12, S13,	1694, Part F.3		
9-10-502.1 BAAQMD Condition		F.1			S14			
BAAQMD Condition	02		Ν		No limit	BAAQMD	С	O2 Monitor
Condition						9-10-502.1		
Condition						DAAOMD		
						-		
CO BAAQMD N 400 ppmv (dry, 3% O ₂) BAAQMD P/SA source test	CO	BAAOMD	N		400 nnmy (dry 3% 0)		D/S A	source test
9-10-305 9-10-502.1	co	-	11		$400 \text{ ppmv} (\text{dry}, 570 \text{ O}_2)$	-	1/SA	source test
9-10-302.1		9-10-505				9-10-302.1		
BAAQMD						BAAOMD		
Condition						~		
21235, Part 7								
Opacity BAAQMD Y Ringelmann 1 for no more None for N None	Opacity	BAAQMD	Y		Ringelmann 1 for no more		N	None
6-301 than 3 minutes in any hour gaseous-		-			-			
fueled					-	-		
sources								

Table VII – A.10Applicable Limits and Compliance Monitoring RequirementsS12 – UNIT 240, B-202 HEATER

			512 -	– UNIT 240, B-202 HE	AIEK	•	
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.10Applicable Limits and Compliance Monitoring RequirementsS12 – UNIT 240, B-202 HEATER

 Table VII – A.11

 Applicable Limits and Compliance Monitoring Requirements

 S13 – UNIT 240, B-301 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		4,656 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		

Type of Linit Guianton Citation Fue Frequence Frequence Condition Fue Frequence Frequence Condition Monitoring Frequence Condition Monitoring Frequence Frequence Condition Monitoring Frequence Frequence Condition Monitoring Frequence Frequence Frequence Condition Monitoring Frequence Frequenc		h.		515-	- UNIT 240, B-301 HE			
Limitof LimitV/NDateLimitCitation(P/C/N)TypeHeat inputBAAQMD Condition 1694, PartYS993.7 MMbtu/n averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD Condition 1694, Part F.3P/MrecordsO2F.1NS14BAAQMD P-10-502.1CO2 MonitorO2NNNo limitBAAQMD P-10-502.1CO2 MonitorO2NNAdd ppmv (dry, 3% O2)BAAQMD P-10-502.1CO2 MonitorCOBAAQMD P-10-305NAdd ppmv (dry, 3% O2)BAAQMD P-10-502.1P/SAsource testOpacityBAAQMD P-10-305NPuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sources rated over 140 Mbtu/hr (with tubes)None for gaseous- fueledNNPPBAAQMD P-10-305YProhibition of nuisance than 3 minutes in any hour fueledNone for gaseous- fueledNNone fueledPFBAAQMD F-304YSRingelmann 1 for no more than 3 minutes in any hour fueledNone for gaseous- fueledNNone fueledFPBAAQMD F-304YO.15 grain/dscf @ 6% O2 gaseous- fueledNNNone				Future		Monitoring	Monitoring	
Heat input Condition 1694, PartBAAQMD Condition 1694, PartY993.7 MMbtu/hr averaged over any year at S8, S9, S10, S11, S12, S13, S14BAAQMD Condition 1694, Part F.3P/Mrecords02NNNo limitBAAQMD (Ordition 21235, Part 2C02 Monitor02NNNo limitBAAQMD (Condition 21235, Part 2C02 MonitorCOBAAQMD 9-10-305N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SA 9-10-502.1source testP-10-305NA00 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SA 9-10-502.1source testOpacityBAAQMD 6-304YDuring tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu i 24 hours; applies to sources rated over 140None for sourcesNFPBAAQMD 6-301YProhibition of nuisance than 3 minutes in any hour fueledNone for gaseous- fueledNNoneFPBAAQMD 6-310.3Y0.15 grain/dscf@ 6% O2 gaseous- fueledNone for gaseous- fueledNNone	Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Condition 1694, Part F.1Nover any year at S8, S9, S10, S11, S12, S13, S14Condition 1694, Part F.3O2NNNNo limitBAAQMD 9-10-502.1CO2 Monitor 9-10-502.1O2NNNo limitBAAQMD Condition 21235, Part 2CO2 Monitor 9-10-502.1C0BAAQMD 9N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource testP-10-305N400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource test9-10-305NA000 ppmv (dry, 3% O2)BAAQMD 21235, Part 2None for gascous- min/hr and 6 min/billion btu in 24 hours; applies to sources rated over 140 MMbtu/hr (with tubes)None for sourcesNone fueledFPBAAQMD 6-304YProhibition of nuisance than 3 minutes in any hou than 3 minutes in any hou 6-310.3None for sourcesNone for sourcesNone fueledFPBAAQMD 6-310.3Y0.15 grain/dsef @ 6% O2None for sourcesNone for sourcesNone fueledFPBAAQMD 6-310.3Y0.15 grain/dsef @ 6% O2None for sourcesNone fueledNone	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
1694, Part F.11S10, S11, S12, S13, S141694, Part F.31694, Part F.3O2NNNo limitBAAQMD 9-10-502.1C02 MonitorO2NNNo limitBAAQMD 0-10-502.1C02 MonitorPart PartNNBAAQMD PartC02 MonitorCOBAAQMD 9-10-305N400 ppmv (dry, 3% O_2)BAAQMD 9-10-502.1P/SAsource testPart 	Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records
F.1I.I.S14I.I.O2NNNNo limitBAAQMD 910-502.1CO2 MonitorD2I.I.I.I.No limitBAAQMD 910-502.1CO2 MonitorD3I.I.I.I.I.BAAQMD Condition 21235, Part 2P/SAsource testC0BAAQMD 9-10-305NA00 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource test9-10-305I.I.I.I.BAAQMD Condition 21235, Part 8P/SAsource testOpacityBAAQMD 6-304YI.During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sourcesNone for sourcesNoneNoneFPBAAQMD 6-301YI.Prohibition of nuisance than 3 minutes in any hour fueledNone for gaseous- fueledNone for sourcesNoneFPBAAQMD 6-301YI.Ringelmann 1 for no more than 3 minutes in any hour fueledNone for sourcesNoneFPBAAQMD 6-301YI.I.15 grain/dsef @ 6% O2None for gaseous- fueledNoneFPBAAQMD 6-310.3YI.I.15 grain/dsef @ 6% O2None for gaseous- fueledNone		Condition			over any year at S8, S9,	Condition		
O2 N N No limit BAAQMD 9-10-502.1 C O2 Monitor C0 BAAQMD 9-10-305 N A00 pmv (dry, 3% O ₂) BAAQMD 21235, Part 2 P/SA source test C0 BAAQMD 9-10-305 N 400 pmv (dry, 3% O ₂) BAAQMD 9-10-502.1 P/SA source test Opacity BAAQMD 6-304 Y During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sources rated over 140 MMbtu/hr (with tubes) None for gaseous- fueled N None FP BAAQMD 6-301 Y Ringelmann 1 for no more than 3 minutes in any hour None for gaseous- fueled N None FP BAAQMD 6-310.3 Y 0.15 grain/dsef @ 6% O2 None for gaseous- fueled N None		1694, Part			S10, S11, S12, S13,	1694, Part F.3		
ParticipationPartic		F.1			S14			
And the second	02		Ν		No limit	BAAQMD	С	O2 Monitor
Image: constraint of the section of						9-10-502.1		
Image: constraint of the section of								
Image: constraint of the second sec						BAAQMD		
COBAAQMDN400 ppmv (dry, 3% O2)BAAQMDP/SAsource test9-10-3059-10-305NA00 ppmv (dry, 3% O2)BAAQMDP/SAsource test9-10-502.1BAAQMDNBAAQMDBAAQMDCondition21235, Part 8NoneOpacityBAAQMDYDuring tube cleaning, Ringelmann No. 2 for 3 gaseous- min/hr and 6 min/billionNone for fueledNNoneFPBAAQMDYProhibition of nuisance than 3 minutes in any hourNoneNNoneFPBAAQMDYRingelmann 1 for no more than 3 minutes in any hour fueledNone for gaseous- fueledNNoneFPBAAQMDYRingelmann 1 for no more than 3 minutes in any hour fueledNone for gaseous- fueledNNoneFPBAAQMDY0.15 grain/dscf @ 6% O2None for gaseous- fueledNNone						Condition		
9-10-3059-10-3059-10-502.19-10-502.1BAAQMDYBAAQMDYOpacityBAAQMDYDuring 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- fueledNFPBAAQMDYProhibition of nuisance than 3 minutes in any hour fueledNone for gaseous- fueledNOpacityBAAQMDYProhibition of nuisance than 3 minutes in any hour fueledNoneNFPBAAQMDYRingelmann 1 for no more than 3 minutes in any hour fueledNone for 						21235, Part 2		
Appendix and the second seco	СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
Image: constraint of the second sec		9-10-305				9-10-502.1		
Image: constraint of the second sec								
Image: constraint of the second sec						BAAQMD		
OpacityBAAQMDYDuring 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 sourcesNNoneFPBAAQMD 6-305YProhibition of nuisance than 3 minutes in any hour 6-301None for gaseous- fueled sourcesNNone						Condition		
6-304Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sources rated over 140 MMbtu/hr (with tubes)gaseous- fueled sourcesFPBAAQMD 6-305Y FProhibition of nuisance than 3 minutes in any hour fueled sourcesNoneNOpacityBAAQMD 6-301Y FRingelmann 1 for no more than 3 minutes in any hour fueled sourcesNone for fueled sourcesNFPBAAQMD 6-301Y FRingelmann 1 for no more than 3 minutes in any hour fueled sourcesNone for fueled sourcesNFPBAAQMD 6-310.3Y F0.15 grain/dscf @ 6% O2 FNone for gaseous- fueledN						21235, Part 8		
6-304Ringelmann No. 2 for 3 min/hr and 6 min/billion btu in 24 hours; applies to sources rated over 140 MMbtu/hr (with tubes)gaseous- fueled sourcesFPBAAQMD 6-305Y FProhibition of nuisance than 3 minutes in any hour fueled sourcesNoneNOpacityBAAQMD 6-301Y FRingelmann 1 for no more than 3 minutes in any hour fueled sourcesNone for fueled sourcesNFPBAAQMD 6-301Y FRingelmann 1 for no more than 3 minutes in any hour fueled sourcesNone for fueled sourcesNFPBAAQMD 6-310.3Y F0.15 grain/dscf @ 6% O2 FNone for gaseous- fueledN	Opacity	BAAQMD	Y		During tube cleaning,	None for	Ν	None
FPBAAQMD 6-305Y FRingelmann 1 for no more than 3 minutes in any hour 6-301None for fueled sourcesNoneFPBAAQMD 6-301Y FProhibition of nuisance than 3 minutes in any hour fueled 6-301None for sourcesNoneFPBAAQMD 6-301Y FRingelmann 1 for no more than 3 minutes in any hour fueled sourcesNone for sourcesNoneFPBAAQMD 6-301Y F0.15 grain/dscf @ 6% O2 fueledNone for sourcesNoneFPBAAQMD 6-310.3Y F0.15 grain/dscf @ 6% O2 fueledNone for sourcesNone fueled		6-304			Ringelmann No. 2 for 3	gaseous-		
FPBAAQMD 6-305YProhibition of nuisanceNoneNOpacityBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueledNNoneFPBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueledNNoneFPBAAQMD 6-301Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNNone					min/hr and 6 min/billion	-		
FPBAAQMD 6-305YProhibition of nuisanceNoneNOpacityBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueledNNoneFPBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueledNNoneFPBAAQMD 6-301Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNNone					btu in 24 hours; applies to	sources		
FP BAAQMD Y Prohibition of nuisance None N None Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour None for gaseous-fueled sources N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for N N None					sources rated over 140			
6-305 Image: Constraint of the second se					MMbtu/hr (with tubes)			
6-305 Image: Constraint of the state	FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
6-301 than 3 minutes in any hour gaseous-fueled FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for 6-310.3 V 0.15 grain/dscf @ 6% O2 None for		-						
6-301 than 3 minutes in any hour gaseous-fueled FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for 6-310.3 V 0.15 grain/dscf @ 6% O2 None for	Opacity		Y		Ringelmann 1 for no more	None for	N	None
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled N None		6-301			than 3 minutes in any hour	gaseous-		
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled N None					-	-		
6-310.3 gaseous- fueled						sources		
6-310.3 gaseous- fueled	FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
fueled								
						-		
						sources		

Table VII – A.11Applicable Limits and Compliance Monitoring RequirementsS13 – UNIT 240, B-301 HEATER

<u>.</u>		-	S13 -	- UNIT 240, B-301 HE	ATER		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.11Applicable Limits and Compliance Monitoring RequirementsS13 – UNIT 240, B-301 HEATER

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S14 – Unit 240, B-401 Heater

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		13,344 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
Heat input	BAAQMD	Y		993.7 MMbtu/hr averaged	BAAQMD	P/M	records
	Condition			over any year at S8, S9,	Condition		
	1694, Part			S10, S11, S12, S13,	1694, Part F.3		
	F.1			S14			

S14 – UNIT 240, B-401 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
02		Ν		No limit	BAAQMD	С	O2 Monitor			
					9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 2					
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 8					
Opacity	BAAQMD	Y		During tube cleaning,	None for	Ν	None			
	6-304			Ringelmann No. 2 for 3	gaseous-					
				min/hr and 6 min/billion	fueled					
				btu in 24 hours; applies to	sources					
				sources rated over 140						
				MMbtu/hr (with tubes)						
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None			
	6-305									
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					

Table VII – A.12Applicable Limits and Compliance Monitoring RequirementsS14 – UNIT 240, B-401 HEATER

	514 – UNIT 240, B-401 HEATER									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			

Table VII – A.12Applicable Limits and Compliance Monitoring Requirements\$14 – UNIT 240, B-401 HEATER

Table VII – A.13Applicable Limits and Compliance Monitoring RequirementsS15 – UNIT 244, B-501 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1b				A.5		
02		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		

S15 – UNIT 244, B-501 HEATER									
			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None		
	6-301			than 3 minutes in any hour	gaseous-				
					fueled				
					sources				
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None		
	6-305								
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None		
	6-310.3				gaseous-				
					fueled				
					sources				
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month from non-	Condition	per day	analysis		
	1694, Part			cogeneration sources	1694, Part				
	A.4				A.3a				
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S		
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer		
	(1)			(0.10 gr/dscf)					
Fuel Flow		Y		No limit	BAAQMD	С	Fuel		
					9-10-502.2		Flowmeter		
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records		
	Condition			S15, S16, S17, S18, S19	Condition				
	20989,				20989, Part A				
	Part A								

Table VII – A.13Applicable Limits and Compliance Monitoring RequirementsS15 – UNIT 244, B-501 HEATER

	S16 – UNIT 244, B-502 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records				
	Condition			over any day at S15, S16,	Condition						
	1694, Part			S17, S18, S19	1694, Part						
	A.1b				A.5						
O2		Ν		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 8						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None				
	6-310.3				gaseous-						
					fueled						
					sources						

Table VII – A.14 Applicable Limits and Compliance Monitoring Requirements S16 – UNIT 244 R-502 HEATER

S16 – UNIT 244, B-502 HEATER									
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month from non-	Condition	per day	analysis		
	1694, Part			cogeneration sources	1694, Part				
	A.4				A.3a				
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S		
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer		
	(1)			(0.10 gr/dscf)					
Fuel Flow		Y		No limit	BAAQMD	С	Fuel		
					9-10-502.2		Flowmeter		
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records		
	Condition			S15, S16, S17, S18, S19	Condition				
	20989,				20989, Part A				
	Part A								

Table VII – A.14Applicable Limits and Compliance Monitoring RequirementsS16 – UNIT 244, B-502 HEATER

Table VII – A.15							
Applicable Limits and Compliance Monitoring Requirements							
S17 – UNIT 244, B-503 HEATER							

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1b				A.5		

517 – UNII 244, D-505 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
O2		Ν		No limit	BAAQMD	С	O2 Monitor			
					9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 2					
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 8					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None			
	6-305									
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			

Table VII – A.15Applicable Limits and Compliance Monitoring RequirementsS17 – UNIT 244, B-503 HEATER

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S17 – UNIT 244, B-503 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S15, S16, S17, S18, S19	Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.16Applicable Limits and Compliance Monitoring RequirementsS18 – UNIT 244, B-504 HEATER

Transf	Chatter	EE	Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective	T ••4	Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1b				A.5		
O2		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		

S18 – UNIT 244, B-504 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None			
	6-305									
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records			
	Condition			S15, S16, S17, S18, S19	Condition					
	20989,				20989, Part A					
	Part A									

Table VII – A.16Applicable Limits and Compliance Monitoring RequirementsS18 – UNIT 244, B-504 HEATER

S19 – UNIT 244, B-505 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records				
	Condition			over any day at S15, S16,	Condition						
	1694, Part			S17, S18, S19	1694, Part						
	A.1b				A.5						
O2		Ν		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 8						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None				
	6-310.3				gaseous-						
					fueled						
					sources						

Table VII – A.17 Applicable Limits and Compliance Monitoring Requirements S19 – UNIT 244 R-505 HEATER

	Applicable Limits and Compliance Monitoring Requirements										
		-	S19 -	- UNIT 244, B-505 HE	ATER	-					
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition			month from non-	Condition	per day	analysis				
	1694, Part			cogeneration sources	1694, Part						
	A.4				A.3a						
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S				
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer				
	(1)			(0.10 gr/dscf)							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records				
	Condition			S15, S16, S17, S18, S19	Condition						
	20989,				20989, Part A						
	Part A										

Table VII – A.17Applicable Limits and Compliance Monitoring RequirementsS19 – UNIT 244, B-505 HEATER

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S20 – UNIT 244, B-506 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		552 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		

S20 – UNII 244, B-506 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
02		Ν		No limit	BAAQMD	С	O2 Monitor			
					9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 2					
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None			
	6-305									
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			

Table VII – A.18Applicable Limits and Compliance Monitoring RequirementsS20 – UNIT 244, B-506 HEATER

Table VII – A.18Applicable Limits and Compliance Monitoring RequirementsS20 – UNIT 244, B-506 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		1.9 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.19Applicable Limits and Compliance Monitoring RequirementsS21 – UNIT 244, B-507 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Heat input	BAAQMD	Y		194.4 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1a				A.5		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of Nuisance	None for	Ν	None
	6-305				gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		

Table VII – A.19											
Applicable Limits and Compliance Monitoring Requirements											
		S21 -	- UNIT 244, B-507 HE	ATER		-					
Future Monitoring Monitoring											
~											

				UNII 244, D 307 III.		-	
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
throughput	BAAQMD	Y		0.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.20Applicable Limits and Compliance Monitoring RequirementsS22 – UNIT 248, B-606 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		744 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
02		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

-	522 – UNII 246, D-000 ПЕАТЕК									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
• Particip	6-301			than 3 minutes in any hour	gaseous-					
	0 0 0 1				fueled					
					sources					
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None			
11	6-305	1		1 tomotion of nuisance	ivone	1	None			
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None			
11	6-310.3	1		0.15 gram/user @ 070 02	gaseous-	1	Ivone			
	0-510.5				fueled					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	sources	P/3 times	TRS			
502	~	Ŷ		month from non-	BAAQMD					
	Condition				Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
1120	A.4				A.3a		1120			
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			
throughput	BAAQMD	Y		2.6 E 6 therm/yr	BAAQMD	P/M	records			
	Condition				Condition					
	20989,				20989, Part A					
	Part A									

Table VII – A.20Applicable Limits and Compliance Monitoring RequirementsS22 – UNIT 248, B-606 HEATER

			<u> </u>	<u>– Unit 200, B-5 Hea</u>	TER		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		2,472 MMbtu/hr	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
O2		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						

Table VII – A.21Applicable Limits and Compliance Monitoring RequirementsS29 – UNIT 200, B-5 HEATER

	S29 – UNIT 200, B-5 HEATER								
			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None		
	6-310.3				gaseous-				
					fueled				
					sources				
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month from non-	Condition	per day	analysis		
	1694, Part			cogeneration sources	1694, Part				
	A.4				A.3a				
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S		
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer		
	(1)			(0.10 gr/dscf)					
Fuel Flow		Y		No limit	BAAQMD	С	Fuel		
					9-10-502.2		Flowmeter		
throughput	BAAQMD	Y		8.6 E 6 therm/yr	BAAQMD	P/M	records		
	Condition				Condition				
	20989,				20989, Part A				
	Part A								

Table VII – A.21Applicable Limits and Compliance Monitoring RequirementsS29 – UNIT 200, B-5 HEATER

			<u> </u>	- UNIT 200, B-101 HE	ATER		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		1,200 MMbtu/hr	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
O2		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						

Table VII – A.22Applicable Limits and Compliance Monitoring Requirements\$30 – UNIT 200, B-101 HEATER

	S30 – UNIT 200, B-101 HEATER									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			
throughput	BAAQMD	Y		4.2 E 6 therm/yr	BAAQMD	P/M	records			
	Condition				Condition					
	20989,				20989, Part A					
	Part A									

Table VII – A.22 Applicable Limits and Compliance Monitoring Requirements S30 – UNIT 200, B-101 HEATER

 Table VII – A.23

 Applicable Limits and Compliance Monitoring Requirements

 S31 – UNIT 200, B-501 HEATER

_			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			

S31 – UNIT 200, B-501 HEATER									
			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
Heat input	BAAQMD	Y		480 MMbtu/day	BAAQMD	P/D	records		
	Condition				Condition				
	1694, Part				1694, Part				
	A.1b				A.5				
O2		Ν		No limit	BAAQMD	С	O2 Monitor		
					9-10-502.1				
					BAAQMD				
					Condition				
					21235, Part 2				
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test		
	9-10-305				9-10-502.1				
					BAAQMD				
					Condition				
					21235, Part 7				
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None		
	6-301			than 3 minutes in any hour	gaseous-				
					fueled				
					sources				
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None		
	6-305								
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None		
	6-310.3				gaseous-				
					fueled				
					sources				
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month from non-	Condition	per day	analysis		
	1694, Part			cogeneration sources	1694, Part				
	A.4				A.3a				
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S		
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer		
	(1)			(0.10 gr/dscf)			~		

Table VII – A.23Applicable Limits and Compliance Monitoring RequirementsS31 – UNIT 200, B-501 HEATER

			Table VII – A.23			
Applic	able	Limits a	nd Compliance Monit	toring Requ	irements	
		S31 -	- UNIT 200, B-501 HE	ATER		

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		1.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.24Applicable Limits and Compliance Monitoring RequirementsS36 – UNIT 200, B-102 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM
				CO2)	1-520.8		
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2 (3	BAAQMD	С	CEM
	Condition			hour average), except	Condition		
	21097,			startups and shutdowns	21097, Part		
	Part 3b				5a		
Heat input	BAAQMD	Y		82.1 MMbtu/hr;	BAAQMD	С	continuous
	Condition			719,200 MMbtu/12-month	Condition		fuel flow
	21097,			period	21097, Part 4		monitor
	Part 2						
O2		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					21097, Part		
					5a		
СО	BAAQMD	Y		28 ppmv CO at 3% O2 (8	BAAQMD	P/SA	source test
	Condition			hour average), except	Condition		
	21097,			startups and shutdowns	21097, Part		
	Part 3b				5b		

Type of Linit Citation PC Fue Linit Fue Linit Fue Linit Monitoring Requirement (Condition 21097,		n	ATER		1			
Limitof LimitV/NDateLimitCitation(P/C/N)TypePOCBAAQMDYS.5 lb POC per MM fi3 of fuelNNone21097, 21097, 21097, 21097, 21097, 21097, 21097,YSNNonePM10BAAQMDYS7.6 lb PM10 per MM fi3 of fuelNNonePM10BAAQMDYSSNNonePM10BAAQMDYSSNNonePart 3bPart 3b-10 ppm ammonia at 3% 02 (8 hour average), excert startups and shutdownsNNonePart 3bOpacityBAAQMDYSRingelmann 1 for no more than 3 minutes in any hour gascous- fueledNNoneFPBAAQMDYIProhibition of nuisanceNone for gascous- fueledNNoneFPBAAQMDYIO.15 grain/dscf @ 6%Q2None for gascous- fueledNNoneFPBAAQMDYII.612 lb/day SO2 over any month from non- fueledNone for sourcesNNoneFPBAAQMDYII.612 lb/day SO2 over any month from non- fueledNone for sourcesNNoneFPBAAQMDYII.612 lb/day SO2 over any month from non- fueledNone for sourcesNNoneFPBAAQMDYII.612 lb/day SO2 o				Future		Monitoring	Monitoring	
POC BAAQMD Y 5.5 lb POC per MM ft3 of fuel N None 21097, Part 3b -	Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Condition 21097, Part 3bYImage: fuel Part 3bFuel Part 3bPart 3bPa	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
21097, Part 3b212	POC	BAAQMD	Y		5.5 lb POC per MM ft3 of		Ν	None
Part 3bImage: sector of the secto		Condition			fuel			
PM10 BAAQMD Y 7.6 lb PM10 per MM ft3 of fuel N None Condition 100 pmv ammonia at 3% N N None ammonia BAAQMD N 10 ppmv ammonia at 3% N N None Condition Condition N 10 ppmv ammonia at 3% N N None Condition N N 02 (8 hour average), except N None None Part 3b N Ringelmann 1 for no more None for N None None Opacity BAAQMD Y Ringelmann 1 for no more None for N None FP BAAQMD Y Prohibition of nuisance None for N None FP BAAQMD Y Prohibition of nuisance None for N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for N None Goald N 0.15 grain/dscf @ 6% O2 None for N None SO2 BAAQMD Y 1,612 lb/day SO2 over any BAAQMD P/3 times <td< td=""><td></td><td>21097,</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		21097,						
Condition 21097, Part 3bImage: startups and shutdownsImage: startups and shutdownsNoneammoniaBAAQMD ConditionN10 ppmv ammonia at 3% O2 (8 hour average), except startups and shutdownsNNoneConditionVO2 (8 hour average), except startups and shutdownsNNonePart 3bVNNoneNoneOpacityBAAQMDYRingelmann 1 for no more than 3 minutes in any hourNone for gascous- fueledNOpacityBAAQMDYProhibition of nuisanceNone for sourcesNFPBAAQMDYProhibition of nuisance sourcesNone for gascous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2 month from non- cogeneration sourcesNone sourcesNoneFPBAAQMDYI.612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMD per day sulfur analysisGC or total sulfur analysisSO2BAAQMDYI.612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMD I694, PartGC or total sulfur analysisTRSBAAQMDYInto ppmv TRS (1 day average), 45 ppmv TRS (annual average), 45 ppmv TRSGA0itionCondition		Part 3b						
21097, Part 3bIIIIIIIammoniaBAAQMDN10 ppmv ammonia at 3% O2 (8 hour average), except startups and shutdownsNNone21097, Part 3bVO2 (8 hour average), except startups and shutdownsNone forNPart 3bVRingelmann 1 for no more than 3 minutes in any hour fueledNone forN6-301YRingelmann 1 for no more than 3 minutes in any hour fueledNone forNFPBAAQMDYProhibition of nuisance fueledNone forNFPBAAQMDYProhibition of nuisance fueledNone for gaseous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2None for gaseous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2None for gaseous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2None for gaseous- fueledNSO2BAAQMDYI.612 lb/day SO2 over any cogeneration sourcesBAAQMDP/3 times galfur analysisSO2BAAQMDYI.612 lb/day SO2 over any conditionBAAQMDP/3 times galfur analysisTRSBAAQMDYI.00 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis	PM10	BAAQMD	Y		7.6 lb PM10 per MM ft3 of		Ν	None
Part 3bImage: startups and shutdownsImage: startups and shutdownsNone21097, 21097, 21097, 6Image: startups and shutdownsNone for gaseous- fueledNoneOpacityBAAQMDYRingelmann 1 for no more than 3 minutes in any hour gaseous- fueledNone for startups and shutdownsNoneOpacityBAAQMDYRingelmann 1 for no more than 3 minutes in any hour gaseous- fueledNone for sourcesNoneFPBAAQMDYProhibition of nuisanceNone for sourcesNone fueledFPBAAQMDYProhibition of nuisanceNone for gaseous- fueledNoneFPBAAQMDYImage: startup start		Condition			fuel			
ammoniaBAAQMDN10 ppmv ammonia at 3% O2 (8 hour average), except startups and shutdownsNNoneOpacityBAAQMDYRingelmann 1 for no more than 3 minutes in any hourNone for gascous- fueled sourcesNNoneFPBAAQMDYProhibition of nuisanceNone for gascous- fueled sourcesNNoneFPBAAQMDYProhibition of nuisanceNone for gascous- fueled sourcesNNoneFPBAAQMDY0.15 grain/dscf @ 6% O2None for gascous- fueled sourcesNNoneFPBAAQMDY0.15 grain/dscf @ 6% O2None for gascous- fueled sourcesNNoneSO2BAAQMDY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times analysisGC or total sulfur analysisTRSBAAQMDY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis		21097,						
Condition 21097, Part 3bCO2 (8 hour average), except startups and shutdownsIntermediate Part 3bIntermediate Part 3bOpacityBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hour fueldNone for gaseous- fueldN6-301YProhibition of nuisance FPNone for sourcesNone fueldFPBAAQMD 6-305YProhibition of nuisance resourcesNone for gaseous- fueldNoneFPBAAQMD 6-305YProhibition of nuisance resourcesNone for gaseous- fueldNoneFPBAAQMD 6-305Y0.15 grain/dscf @ 6% O2 resourcesNone for sourcesNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 resourcesNone for sourcesNoneFPBAAQMD resourcesY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMD resourcesP/3 times analysisSO2BAAQMD resourcesY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMD resourcesCondition sulfur analysis		Part 3b						
Condition 21097, Part 3bCO2 (8 hour average), except startups and shutdownsIntermediate Part 3bIntermediate Part 3bOpacityBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hour fueldNone for gaseous- fueldN6-301YProhibition of nuisance FPNone for sourcesNone fueldFPBAAQMD 6-305YProhibition of nuisance resourcesNone for gaseous- fueldNoneFPBAAQMD 6-305YProhibition of nuisance resourcesNone for gaseous- fueldNoneFPBAAQMD 6-305Y0.15 grain/dscf @ 6% O2 resourcesNone for sourcesNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 resourcesNone for sourcesNoneFPBAAQMD resourcesY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMD resourcesP/3 times analysisSO2BAAQMD resourcesY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMD resourcesCondition sulfur analysis	ammonia	BAAQMD	Ν		10 ppmv ammonia at 3%		Ν	None
21097, Part 3bStartups and shutdownsImage: Startups and shutdownsImage: Startups and shutdownsOpacityBAAQMDYRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueledN6-301Image: Startups and shutdownsStartups and shutdownsNone for gaseous- fueledNFPBAAQMDYProhibition of nuisanceNone for gaseous- fueledNFPBAAQMDYProhibition of nuisanceNone for gaseous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2None for gaseous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2None for gaseous- fueledNFPBAAQMDYO.15 grain/dscf @ 6% O2None for gaseous- fueledNSO2BAAQMDYImage: Startup Startup Startup month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisTRSBAAQMDYImage: Startup Startup Startup Startup (annual average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis		Condition			O2 (8 hour average), except			
Part 3bImage: Construct on the second se		21097,						
6-301than 3 minutes in any hourgaseous- fueled sourcesAllFPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNFPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 (annut for mon- cogeneration sourcesNone for gaseous- fueled sourcesNSO2BAAQMD (Condition 1694, Part A.4Y1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMD (Condition A.3aP/3 times sulfur analysisTRSBAAQMD (Condition 21097,Y100 ppmv TRS (1 day (annual average), 45 ppmv TRS (annual average)BAAQMD (ConditionCGC or total sulfur analysis					*			
6-301than 3 minutes in any hourgaseous- fueled sourcesAllFPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNFPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 (annut for mon- 	Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
FPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNoneFPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 (annual average), 45 ppmv TRS (annual average), 45 ppmv TRS (21097, PartNoneNoneFPBAAQMD (annual average)Y100 ppmv TRS (1 day (annual average), 45 ppmv TRS (21097, PartBAAQMD (ConditionCGC or total sulfur analysis		_			-	gaseous-		
FPBAAQMD 6-305YProhibition of nuisanceNone for gaseous- fueled sourcesNNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 (anulticed)None for gaseous- fueled sourcesNNoneFPBAAQMD (anulticed)Y0.15 grain/dscf @ 6% O2 (anulticed)None for gaseous- fueled sourcesNNoneSO2BAAQMD (condition)Y1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMD (condition)P/3 times per dayGC or total sulfur analysisTRSBAAQMD (condition)Y100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMD (Condition)CGC or total sulfur analysis						-		
6-30566-30599<						sources		
6-3056-305999<	FP	BAAQMD	Y		Prohibition of nuisance	None for	N	None
FPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNSO2BAAQMD ConditionY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisTRSBAAQMD ConditionY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis						gaseous-		
FPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2None for gaseous- fueled sourcesNNoneSO2BAAQMD Condition 1694, Part A.4Y1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisTRSBAAQMD Condition 21097,Y100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis						-		
6-310.36-310.3gaseous-fueledSO2BAAQMDY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisSO2BAAQMDY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisTRSBAAQMDY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis						sources		
6-310.36-310.3gaseous- fueled sourcesSO2BAAQMDY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisTRSBAAQMDY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis	FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
Image: section of the section of th		_				gaseous-		
SO2BAAQMDY1,612 lb/day SO2 over any month from non- cogeneration sourcesBAAQMDP/3 times per dayGC or total sulfur analysisTRSBAAQMDY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis						-		
Condition 1694, Part A.4month from non- cogeneration sourcesCondition 1694, Part A.3aper day analysissulfur analysisTRSBAAQMD Condition 21097,Y100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMD Condition 21097, PartCGC or total sulfur analysis						sources		
Condition 1694, Part A.4month from non- cogeneration sourcesCondition 1694, Part A.3aper day analysissulfur analysisTRSBAAQMD Condition 21097,Y100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMD Condition 21097, PartCGC or total sulfur analysis	SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	GC or total
1694, Part A.4cogeneration sources1694, Part A.3aanalysisTRSBAAQMDY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis21097,(annual average)21097, Partanalysis		_				-	per day	sulfur
A.4A.3aTRSBAAQMDY100 ppmv TRS (1 day average), 45 ppmv TRS (annual average)BAAQMDCGC or total sulfur analysis21097,(annual average)21097, Partanalysis		1694, Part			cogeneration sources	1694, Part	~ ·	analysis
Condition 21097,average), 45 ppmv TRS (annual average)Condition 21097, Partsulfur analysis					-			-
Condition 21097,average), 45 ppmv TRS (annual average)Condition 21097, Partsulfur analysis	TRS		Y		100 ppmv TRS (1 day		С	GC or total
21097, (annual average) 21097, Part analysis		-				-		
								analysis
1 uit 0 / a, / U		Part 6				7a, 7b		-

Table VII – A.24 Applicable Limits and Compliance Monitoring Requirements S36 – UNIT 200, B-102 HEATER

	S36 – UNIT 200, B-102 HEATER										
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
H2S	40 CFR	Y		fuel gas H2S concentration	Condition	P/3 times	H2S				
	60.104(a)			limited to 230 mg/dscm	21097, part	per day	analysis				
	(1)			(0.10 gr/dscf)	7c						
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	Records				
startup	Condition				21097, part						
	21096,				10						
	Part 3b										
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	Records				
shutdown	Condition				21097, part						
	21096,				10						
	Part 3b										
Duration of	BAAQMD	Y		72 consecutive hours	Condition	P/E	records				
heater	Condition				21097, part						
dryout/	21096,				10						
warmup	Part 3b										
periods											

Table VII – A.24 Applicable Limits and Compliance Monitoring Requirements S36 – UNIT 200, B-102 HEATER

Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS43 – UNIT 200, B-202 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM
				CO2)	1-520.8		
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			

	ir		543-	– UNIT 200, B-202 HE	AIEK		1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		40 ppmv NOx at 3% O2	BAAQMD	С	NOx, O2
	Condition			over any 8 hours, except	Condition		CEM
	1694, Part			startups and shutdowns, at	1694, Part		
	D.2			S43, S44	D.4		
Heat input	BAAQMD	Y		5,520 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
O2		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					1694, Part		
					D.4		
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
СО	BAAQMD	Ν		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any month, except startups	9-10-502.1		
	1694, Part			and shutdowns, at S43, S44			
	D.3				BAAQMD		
					Condition		
					21235, Part 8		

Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS43 – UNIT 200, B-202 HEATER

	S43 – UNIT 200, B-202 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
Opacity	BAAQMD	Y		During tube cleaning,	None for	Ν	None					
	6-304			Ringelmann No. 2 for 3	gaseous-							
				min/hr and 6 min/billion	fueled							
				btu in 24 hours; applies to	sources							
				sources rated over 140								
				MMbtu/hr (with tubes)								
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None					
	6-305											
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S					
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer					
	(1)			(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								
Fuel Flow		Y		No limit	BAAQMD	С	Fuel					
					9-10-502.2		Flowmeter					

Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS43 – UNIT 200, B-202 HEATER

Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS43 – UNIT 200, B-202 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		19.1 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.26Applicable Limits and Compliance Monitoring RequirementsS44 – UNIT 200, B-201 HEATER

Toma of	Citation	EE	Future		Monitoring	Monitoring	Maniforina
Type of Limit	Citation of Limit	FE Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type
NOx	01 Linnt	Y	Date	CEM for NOx and O2 (or	BAAQMD	C (F/C/N)	CEM
NOX		I		CEM for NOX and O2 (or CO2)	1-520.8	C	CEM
NOx		N		,		С	CEM
NOX	BAAQMD	IN		Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
NOx	BAAQMD	Y		40 ppmv NOx at 3% O2	BAAQMD	С	CEM
	Condition			over any 8 hours, except	Condition		
	1694, Part			startups and shutdowns, at	1694, Part		
	D.2			S43, S44	D.4		
Heat input	BAAQMD	Y		1,104 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
02		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

1	S44 – UNIT 200, B-201 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
02		Y		No limit	BAAQMD	С	O2 Monitor					
					Condition							
					1694, Part							
					D.4							
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 8							
CO	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test					
	Condition			any month, except startups	9-10-502.1							
	1694, Part			and shutdowns, at S43, S44								
	D.3				BAAQMD							
					Condition							
					21235, Part 8							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None					
	6-305											
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							

Table VII – A.26Applicable Limits and Compliance Monitoring RequirementsS44 – UNIT 200, B-201 HEATER

			TTO	– UNII 200, D-201 HE	AILN		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(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			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		3.8 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.26Applicable Limits and Compliance Monitoring RequirementsS44 – UNIT 200, B-201 HEATER

Table VII – A.27Applicable Limits and Compliance Monitoring Requirements\$50, \$51, \$52 – TURBINE STARTUP ENGINES

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	Ν	N/A
	6-303.1			more than 3 minutes in any			
				hour			
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 gr/dscf	None	Ν	N/A
	6-310						

	S50, S51, S52 – TURBINE STARTUP ENGINES										
Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
Hours of	9-8-111.1	Y		Exemptions: Engines rated	BAAQMD	P/M	records				
operation				at or below 1000 brake	9-8-502						
				horsepower which operate							
				less than 200 hours in any							
				12-consecutive month							
				period							
Hours of	BAAQMD	Ν		up to 100 hour/yr	BAAQMD	P/M	records				
operation	Condition				Condition						
	19488, Part				19488, Part 2						
	1										
SO2	BAAQMD	Y		Fuel Sulfur Limit	None	P/E	fuel				
	9-1-304			0.5% by weight			certification				

Table VII – A.27Applicable Limits and Compliance Monitoring Requirements\$50, \$51, \$52 – TURBINE STARTUP ENGINES

Table VII – A.28Applicable Limits and Compliance Monitoring Requirements\$53, \$54, \$55, \$56, \$57, \$58, \$59 – Emergency Diesel Engines

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	Ν	N/A
	6-303.1			more than 3 minutes in any			
				hour			
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 gr/dscf	None	Ν	N/A
	6-310						
Hours of	BAAQMD	Ν		up to 100 hour/yr (non-	BAAQMD	С	totalizing
operation	Condition			emergency)	Condition		meter
	19488, Part				19488, Part 6		
	3						
Hours of	BAAQMD	N		up to 100 hours for	BAAQMD	С	totalizing
operation	9-8-330			reliability testing	9-8-530		meter

Table VII – A.28Applicable Limits and Compliance Monitoring Requirements\$53, \$54, \$55, \$56, \$57, \$58, \$59 – Emergency Diesel Engines

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
SO2	BAAQMD	Y		Fuel Sulfur Limit	None	P/E	fuel
	9-1-304			0.5% by weight			certification

Table VII – A.29Applicable Limits and Compliance Monitoring RequirementsS336 – UNIT 231, B-104 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective	T • •4	Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		2,664 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1a				A.5		
O2		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

	h		5550	– UNIT 231, B-104 HE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(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			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.29 Applicable Limits and Compliance Monitoring Requirements S336 – UNIT 231, B-104 HEATER

Table VII – A.29Applicable Limits and Compliance Monitoring RequirementsS336 – UNIT 231, B-104 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		9.2 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.30Applicable Limits and Compliance Monitoring RequirementsS337 – UNIT 231, B-105 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		816 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1a				A.5		
02		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

	1		5557	– UNIT 231, B-105 HE			1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(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			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.30Applicable Limits and Compliance Monitoring RequirementsS337 – UNIT 231, B-105 HEATER

Table VII – A.30Applicable Limits and Compliance Monitoring RequirementsS337 – UNIT 231, B-105 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		2.8 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.31Applicable Limits and Compliance Monitoring RequirementsS351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM
				CO2)	1-520.8		
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	BAAQMD	С	NOx, O2
	Condition			over any 3 hours, except	Condition		CEM
	1694, Part			startups and shutdowns, at	1694, Part		
	B.2			S351	B.3		
Heat input	BAAQMD	Y		2,424 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
02		Ν		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

Table VII – A.31Applicable Limits and Compliance Monitoring RequirementsS351 – UNIT 267, B-601/602 HEATERS

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
02		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					1694, Part		
					B.3		
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		

Table VII – A.31Applicable Limits and Compliance Monitoring RequirementsS351 – UNIT 267, B-601/602 HEATERS

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(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			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		8.4 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

	S371 – UNIT 228, B-520 FURNACE											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMbtu								
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	None	С	CEM					
	Condition			over any 3 hours, except								
	1694, Part			startups and shutdowns								
	C.2											
Heat input	BAAQMD	Y		1,392 MMbtu/day averaged	BAAQMD	P/D	records					
	Condition			over any day at S371 and	Condition							
	1694, Part			S372	1694, Part							
	A.1b				A.5							
O2		Ν		No limit	BAAQMD	С	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 8							
СО	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test					
	Condition			any 3 hours, except startups	9-10-502.1							
	1694, Part			and shutdowns								
	C.3				BAAQMD							
					Condition							
					21235, Part 8							

Table VII – A.32 Applicable Limits and Compliance Monitoring Requirements S371 – UNIT 228 B-520 FURNACE

S371 – UNIT 228, B-520 FURNACE								
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None	
	6-301			than 3 minutes in any hour	gaseous-			
					fueled			
					sources			
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None	
	6-305							
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None	
	6-310.3				gaseous-			
					fueled			
					sources			
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS	
	Condition			month from non-	Condition	per day	analysis	
	1694, Part			cogeneration sources	1694, Part			
	A.4				A.3a			
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S	
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer	
	(1)			(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				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel	
					9-10-502.2		Flowmeter	
throughput	BAAQMD	Y		4.8 E 6 therm/yr for S371	BAAQMD	P/M	records	
	Condition			and S372 combined	Condition			
	20989,				20989, Part A			
	Part A							

Table VII – A.32Applicable Limits and Compliance Monitoring RequirementsS371 – UNIT 228, B-520 FURNACE

S372 – UNIT 228, B-521 FURNACE								
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	
NOx	BAAQMD	Ν		Refinery-wide emissions:	BAAQMD	С	CEM	
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1			
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None	
	9-10-303			Refinery-wide emissions:				
				0.20 lb NOx/MMbtu				
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	None	С	NOx, O2	
	Condition			over any 3 hours, except			CEM	
	1694, Part			startups and shutdowns				
	C.2							
Heat input	BAAQMD	Y		1,392 MMbtu/day averaged	BAAQMD	P/D	records	
	Condition			over any day at S371 and	Condition			
	1694, Part			S372	1694, Part			
	A.1b				A.5			
02		Ν		No limit	BAAQMD	С	O2 Monitor	
					9-10-502.1			
					BAAQMD			
					Condition			
					21235, Part 2			
CO	BAAQMD	Ν		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test	
	9-10-305				9-10-502.1			
					BAAQMD			
					Condition			
					21235, Part 8			
CO	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test	
	Condition			any 3 hours, except startups	9-10-502.1			
	1694, Part			and shutdowns				
	C.3				BAAQMD			
					Condition			
					21235, Part 8			

Table VII – A.33Applicable Limits and Compliance Monitoring RequirementsS372 – UNIT 228, B-521 FURNACE

S372 – UNIT 228, B-521 FURNACE								
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None	
	6-301			than 3 minutes in any hour	gaseous-			
					fueled			
					sources			
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None	
	6-305							
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None	
	6-310.3				gaseous-			
					fueled			
					sources			
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS	
	Condition			month from non-	Condition	per day	analysis	
	1694, Part			cogeneration sources	1694, Part			
	A.4				A.3a			
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S	
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer	
	(1)			(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				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel	
					9-10-502.2		Flowmeter	
throughput	BAAQMD	Y		4.8 E 6 therm/yr for S371	BAAQMD	P/M	records	
	Condition			and S372 combined	Condition			
	20989,				20989, Part A			
	Part A							

Table VII – A.33Applicable Limits and Compliance Monitoring RequirementsS372 – UNIT 228, B-521 FURNACE

5438 – UNIT 110, H-1 FURNACE								
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	
NOx	BAAQMD	Y		7 ppmv NOx at 3% O2 over	None	С	CEM	
	Condition			any 1 hours, except startups				
	1694, Part			and shutdowns				
	E.4							
Heat input	BAAQMD	Y		250 MMbtu/hr,	BAAQMD	P/D	records	
	Condition			6,000 MMbtu/day	Condition			
	1694, Part				1694, Part			
	A.1c				A.5			
Heat input	BAAQMD	Y		2.19 E 12 btu/yr fuel	BAAQMD	P/D	records	
	Condition			combustion	Condition			
	1694, Part				1694, Part			
	E.2				E.6			
02		Y		No limit	None	С	O2 Monitor	
СО	BAAQMD	Y		32 ppmv CO at 3% O2 over	None	Ν	None	
	Condition			any 24 hr, except startups				
	1694, Part			and shutdowns				
	E.4							
TRS	BAAQMD	Y		1 ppmw TRS in PSA offgas	Overall fuel	P/D	records	
	Condition			used as fuel	TRS			
	1694, Part				monitored by			
	E.3				BAAQMD			
					Condition			
					1694, Part			
					E.5			
TRS	BAAQMD	Y		50 ppmv TRS over any	BAAQMD	P/3 times	TRS	
	Condition			month, in fuel gas	Condition	per day	analysis	
	1694, Part				1694, Part			
	E.5				E.5			
Opacity	BAAQMD	Y		During tube cleaning,	None for	Ν	None	
	6-304			Ringelmann No. 2 for 3	gaseous-			
				min/hr and 6 min/billion	fueled			
				btu in 24 hours; applies to	sources			
				sources rated over 140				
				MMbtu/hr (with tubes)				

Table VII – A.34Applicable Limits and Compliance Monitoring RequirementsS438 – UNIT 110, H-1 FURNACE

S438 – UNIT 110, H-1 FURNACE								
T			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре	
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None	
	6-301			than 3 minutes in any hour	gaseous-			
					fueled			
					sources			
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None	
	6-305							
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None	
	6-310.3				gaseous-			
					fueled			
					sources			
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS	
	Condition			month from non-	Condition	per day	analysis	
	1694, Part			cogeneration sources	1694, Part			
	A.4				A.3a			
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S	
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer	
	(1)			(0.10 gr/dscf)				

Table VII – A.34Applicable Limits and Compliance Monitoring RequirementsS438 – UNIT 110, H-1 FURNACE

	S461 – UNIT 250, B-701 HEATER									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM			
				CO2)	1-520.8					
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2 (3	BAAQMD	С	CEM			
	Condition			hour average), except	Condition					
	21096,			startups and shutdowns	21096, Part					
	Part 3b				5a					
Heat input	BAAQMD	Y		52 MMbtu/hr;	BAAQMD	С	continuous			
	Condition			439,800 MMbtu/12-month	Condition		fuel flow			
	21096,			period	21096, Part 4		monitor			
	Part 2									
02		Y		No limit	BAAQMD	С	O2 Monitor			
					Condition					
					21096, Part					
					5a					
CO	BAAQMD	Y		28 ppmv CO at 3% O2 (8	BAAQMD	P/SA	source test			
	Condition			hour average) when fired	Condition					
	21096,			50% capacity or more and	21096, Part					
	Part 3b			50 ppmv CO at 3% O2 (8	5b					
				hour average) when fired						
				less than 50% capacity,						
				except startups and						
				shutdowns						
POC	BAAQMD	Y		5.5 lb POC per MM ft3 of		Ν	None			
	Condition			fuel						
	21096,									
	Part 3b									
PM10	BAAQMD	Y		7.6 lb PM10 per MM ft3 of		Ν	None			
	Condition			fuel						
	21096,									
	Part 3b									

Table VII – A.35Applicable Limits and Compliance Monitoring RequirementsS461 – UNIT 250. B-701 HEATER

S461 – UNIT 250, B-701 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
ammonia	BAAQMD	Ν		10 ppmv ammonia at 3%		Ν	None			
	Condition			O2 (8 hour average), except						
	21096,			startups and shutdowns						
	Part 3b									
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		Prohibition of nuisance	None for	Ν	None			
	6-305				gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None			
	6-310.3				gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	GC or total			
	Condition			month from non-	Condition	per day	sulfur			
	1694, Part			cogeneration sources	1694, Part		analysis			
	A.4				A.3a					
TRS	BAAQMD	Y		100 ppmv TRS (1 day	BAAQMD	С	GC or total			
	Condition			average), 45 ppmv TRS	Condition		sulfur			
	21096,			(annual average)	21096, Part		analysis			
	Part 6				7a, 7b					
H2S	40 CFR	Y		fuel gas H2S concentration	Condition	P/3 times	H2S			
	60.104(a)			limited to 230 mg/dscm	21096, part	per day	analysis			
	(1)			(0.10 gr/dscf)	7c					
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	records			
startup	Condition				21097, part					
	21096,				10					
	Part 3b									

Table VII – A.35Applicable Limits and Compliance Monitoring RequirementsS461 – UNIT 250, B-701 HEATER

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S461 – UNIT 250, B-701 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	records
shutdown	Condition				21097, part		
	21096,				10		
	Part 3b						
Duration of	BAAQMD	Y		72 consecutive hours	Condition	P/E	records
heater	Condition				21097, part		
dryout/	21096,				10		
warmup	Part 3b						
periods							

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	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.b						
VOC	40 CFR	Y		No visible gaps or cracks in	40 CFR	P/SA	Visual
	60.692-			joints or seals, or other	60.692-		inspections
	2(c)(1)			problems that could result	2(c)(2)		
				in VOC emissions			
throughput	BAAQMD	Y		3.68 E 9 gal/yr each for	BAAQMD	P/M	records
	Condition			S400, S401	Condition		
	20989,				20989, Part A		
	Part A						

Table VII - C Applicable Limits and Compliance Monitoring Requirements S324 API OIL/WASTEWATER SEPARATOR

			-		-		
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.a						
VOC	BAAQMD	Y		No cracks or gaps in roof	BAAQMD	P/SA	Visual
	8-8-306.1			seals, access doors, and	8-8-306.1		inspections
				other openings in the			
				effluent channel greater			
				than 0.32 cm (0.125 inch)			
				between the roof and wall			

S324 API OIL/WASTEWATER SEPARATOR										
			Future		Monitoring	Monitoring				
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring			
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре			
VOC	40 CFR	Y		Fixed roof access doors or	40 CFR	P/SA	Visual			
	60.692-3(a)			openings shall be gasketed,	60.692-		inspections			
				latched, and kept closed	3(a)(4)					
through-	BAAQMD	Y		maximum design	None	Ν	None			
put	Condition			throughput - 7,500 gpm						
	1440, Part 6			during media filter						
				backwash and 7,000 gpm						
				during all other times						
Through-	BAAQMD	Y		3.68 E 9 gal/yr	BAAQMD	P/M	records			
put	Condition				Condition					
	20989, Part				20989, Part A					
	А									

Table VII - CApplicable Limits and Compliance Monitoring RequirementsS324 API OIL/WASTEWATER SEPARATOR

	S1007 DISSOLVED AIR FLOTATION UNIT										
Type of	Citation		Future		Monitoring	Monitoring					
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring				
		Y/N	Date	Limit	Citation	(P/C/N)	Туре				
VOC	BAAQMD	Y		Roof seals, access doors,	BAAQMD 8-	P/SA	visual				
	8-8-307.1			and other openings shall be	8-307.1						
				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							
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC				
	Condition			emissions	Condition		analyzer				
	1440, Part				1440, Part 5						
	4.b										
through-	BAAQMD	Y		maximum design	None	Ν	None				
put	Condition			throughput - 7,500 gpm							
	1440, Part			during media filter							
	6			backwash and 7,000 gpm							
				during all other times							
throughput	BAAQMD	Y		3.68 E 9 gal/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

Table VII – D Applicable Limits and Compliance Monitoring Requirements \$1007 DISSOLVED AIR FLOTATION UNIT

20989, Part A

VII. Applicable Limits and Compliance Monitoring Requirements

20989, Part

А

	Table VII - EApplicable Limits and Compliance Monitoring RequirementsS381 AERATION TANK F-201; S382 AERATION TANK F-202;S383 CLARIFIER F-203; S384 CLARIFIER F-204								
			Future		Monitoring	Monitoring			
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring		
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC		
	Condition			emissions	Condition		analyzer		
	1440, Part				1440, Part 5				
	4.c								
Through-	BAAQMD	Y		3.68 E 9 gal/yr each for	BAAQMD	P/M	records		
put	Condition			S381, S382, S383, S384	Condition				

Table VII - FApplicable Limits and Compliance Monitoring RequirementsS1008 PRIMARY STORMWATER BASINS1009 MAIN STORMWATER BASIN

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC				None	BAAQMD	P/E	Records of
					8-8-501		bypassed
							wastewater,
							organic
							compound
							concen-
							tration
	BAAQMD			Minimize diversions	BAAQMD	P/E	records
	Condition				Condition		
	1440, Part 2				1440, Part 3		

Table VII – GApplicable Limits and Compliance Monitoring RequirementsS385 – WASTEWATER EFFLUENT MEDIA FILTER F271-F278S386 – PAC REGENERATION SLUDGE THICKENER F-211S387 – WET AIR REGENERATION SYSTEM P-202S390 – THICKENED SLUDGE STORAGE F-106S392 – REGENERATED PAC SLURRY STORAGE F-266

Type of Limit	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.c						
Through-	BAAQMD	Y		S385: 3.68 E 9 gal/yr	BAAQMD	P/M	records
put	Condition			S386: 3.2 E 7 gal/yr,	Condition		
	20989, Part			S387: 13.14 E 6 gal/yr	20989, Part A		
	А			S390: 7.884 E 6 gal/yr			
				S392: 7.884 E 6 gal/yr			

 Table VII – H

 Applicable Limits and Compliance Monitoring Requirements

 WASTEWATER JUNCTION BOXES

Type of Limit	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
None							
VOC	40 CFR	Y		Junction box covers shall	40 CFR	P/SA	Visual
	60.692-			have a tight seal around the	60.692-		inspections
	2(b)(2)			edge and kept in place at all	2(b)(3)		
				times			

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
WASTEWATER PROCESS SEWERS/SEWER LINES

	WASTEWATER PROCESS SEWERS/SEWER LINES											
			Future		Monitoring	Monitoring						
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
VOC	40 CFR	Y		No visible gaps or cracks in	40 CFR	P/SA	Visual					
	60.692-			joints or seals, or other	60.692-		inspections					
	2(c)(1)			problems that could result	2(c)(2)							
				in VOC emissions								

Table VII – J **Applicable Limits and Compliance Monitoring Requirements** WASTEWATER GAUGING AND SAMPLING DEVICES

-500 01	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and	BAAQMD 8-8-504	Ν	Portable
	8-8-303			sampling devices	8-8-603		hydrocarbon detector

Table VII – K	
Applicable Limits and Compliance Monitoring Requirements	
S294 – NON-RETAIL GASOLINE DISPENSING FACILITY	

T. A			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Vapor recovery	BAAQMD	А	Vapor
	8-7-301.6			equipment shall be	8-7-301.13		tightness test
	and 8-7-			leak-free and vapor			
	302.5			tight			
VOC	BAAQMD	Ν		98% or highest vapor	None	Ν	None
	8-7-301.10			recovery rate specified			
				by CARB			
VOC	None			None	BAAQMD	А	Backpressure
					8-7-302.14		test
VOC	BAAQMD	Ν		Fugitives < 0.42	None	Ν	None
	8-7-313.1			lb/1000 gallon			

	S294 – NON-RETAIL GASOLINE DISPENSING FACILITY											
Tune of	Citation of	FE	Future Effective		Monitoring	Monitoring	Monitoring					
Type of Limit	Limit	ге Y/N	Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type					
VOC	BAAQMD 8-7-313.2	N	Date	Spillage ≤ 0.42 lb/1000 gallon	None	N N	None					
VOC	BAAQMD 8-7-313.3	N		Liquid Retain + Spitting < 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	Ν		leakage levels as specified in Executive Order VR-101	BAAQMD Condition 18680, Part 2	leak test	P/36 months					
Through- put	BAAQMD Condition 7523	Ν		400,000 gal/yr	BAAQMD 8-7-503 BAAQMD Condition 20989, Part A	P/A P/M	Records					
Through- put	BAAQMD Condition 20989, Part A	Y		20 gpm	None	Ν	None					

Table VII – K Applicable Limits and Compliance Monitoring Requirements S294 – Non-RETAIL GASOLINE DISPENSING FACILITY

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]

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD	Y	12/1/04	Ringelmann No. 1 for no	BAAQMD	P/E	Visual
	6-301			more than 3 minutes/hr	Condition		Inspection
					18255, Part 4		
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None
	6-305						
FP	BAAQMD	Y	12/1/04	No emissions from source >	BAAQMD	P/E	Visual
	6-310			0.15 grains per dscf of gas	Condition		Inspection
	(0.10.1())			volume	18255, Part 4		
SO2	60.104(a)	Y		Flares are exempt since	None	Ν	None
	(1)			they are used only for upset			
All		N		gases	BAAQMD	P/C	Flow Rate
All		IN			12-11-501 &	r/C	Flow Kate
					12-11-501 æ		
All		Ν			BAAQMD	P/E	Composition
7 111		11			12-11-502.1	172	composition
					&		
					12-11-505		
All		Ν			BAAQMD	P/E	Composition
					12-11-502.3		
					&		
					12-11-505		
All		Ν			BAAQMD	P/C	Flame
					12-11-503 &		Detector
					12-11-505		
All		Ν			BAAQMD	P/C	Purge Gas
					12-11-504 &		Flow Rate
4 11		27			12-11-505	D/C	1.0
All		Ν			BAAQMD	P/C	1 frame per
					12-11-507		minute
							image video recording
All		N			BAAQMD	P/C	1 frame per
All		1N			12-11-507	1/0	minute
					12 11-307		image video
							recording

S300 – U-200 DELAYED COKER												
			Future		Monitoring	Monitoring						
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records					
	8-10-301			from process vessel	(SIP) and 8-							
				depressurization is required	10-501 & 502							
				until pressure is reduced to	(non-SIP)							
				less than 1000 mm Hg								
Through-	BAAQMD	Y		81,000 bbl/day	BAAQMD	P/D	records					
put	Condition				Condition							
	21092, Part				21092, Part 2							
	1											

Table VII – M Applicable Limits and Compliance Monitoring Requirements S300 – U-200 DELAYED COKER

Table VII – N

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

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			

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

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		emission streams with 15	BAAQMD	P/D	visual
(\$307	Condition			lb/day AND 300 ppm total	Condition		inspection
only)	6671, Part			carbon on a dry basis	6671, Part 4		
	2 and			prohibited			
	8-2-301				BAAQMD	P/A	source test
					Condition		
					6671, Part 6		
throughput	BAAQMD	Y		12,198 bbl/day (monthly	BAAQMD	P/D	records
(\$304	Condition			average)	Condition		
only)	21095,				21095, Part 2		
	Part 1						
throughput	BAAQMD	Y		35,000 bbl/day (monthly	BAAQMD	P/D	records
(S460	Condition			average)	Condition		
only)	21094,				21094, Part 2		
	Part 1						
throughput	BAAQMD	Y			BAAQMD	P/M	records
	Condition			S305: 9.23 E 6 bbl/yr	Condition		
	20989,			S306: 5.66 E 6 bbl/yr	20989, Part A		
	Part A			S307: 1.39 E 7 bbl/yr			
				S435: 6.6 E 6 bbl/yr			
				S436: 4.7 E 6 bbl/yr			
				S437: 10.4 E 9 ft3/yr			
throughput	BAAQMD	Ν		S308: 5.11 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S309: 6.6 E 8 bbl/yr	Condition		
	20989,			S318: 3.3 E 7 bbl/yr	20989, Part A		
	Part A			S319: 3.51 E 6 bbl/yr			

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

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		S318: 113,150 bbl/day	BAAQMD	P/D	records
	Condition			(except for diesel, which	Condition		
	22549,			does not have a daily limit)	22549, Part 2		
	Part 1						

	S350 – U-267 CRUDE DISTILLATION UNIT												
			Future		Monitoring	Monitoring							
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре						
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records						
	8-10-301			from process vessel	(SIP) and 8-								
				depressurization is required	10-501 & 502								
				until pressure is reduced to	(non-SIP)								
				less than 1000 mm Hg									
SO2	BAAQMD	Y		crude oil sulfur content	BAAQMD	P/E	analysis						
	Condition			limit (1.5 weight%)	Condition								
	383, Part 1a				383, Part 1b								
Through-	BAAQMD	Y		36,000 bbl/day	BAAQMD	P/D	records						
put	Condition				Condition								
	383, Part 2				383, Part 3a								

Table VII – O Applicable Limits and Compliance Monitoring Requirements S350 – U-267 CRUDE DISTULATION UNIT

Table VII – P
Applicable Limits and Compliance Monitoring Requirements
S432 – U-215 DEISOBUTANIZER

	-	-					
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			
throughput	BAAQMD	Y		2.8 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – Q.1Applicable Limits and Compliance Monitoring RequirementsS352 - COMBUSTION TURBINES353 - COMBUSTION TURBINES354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-9-301.3	Y		9 ppmv (note 1) @15% O ₂ (dry)	BAAQMD 9-9- 501, Condition 12122, Part 9b	С	CEM
NOx	40 CFR 60.332 (a)(2)	Y		110 ppmv @15% O ₂ (dry)	BAAQMD 9-9- 501, Condition 12122, Part 9b	С	CEM
NOx	BAAQMD Condition 12122, Part 9a	Y		66 lb/hr and 167 ton/yr for all sources; 528 lb/day for each turbine/duct burner set	BAAQMD Condition 12122, Part 9b	С	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	С	СЕМ
СО	BAAQMD Condition 12122, Part 7	Y		39 ppmv @ 15% O2	BAAQMD Condition 12122, Part 10b	С	CEM
СО	BAAQMD Condition 12122, Part 10a	Y		200 ton/yr	BAAQMD Condition 12122, Part 10b	С	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

Table VII – Q.1Applicable Limits and Compliance Monitoring RequirementsS352 - COMBUSTION TURBINES353 - COMBUSTION TURBINES354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	Ν	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	Ν	None
Through- put	BAAQMD Condition 18629, Part IX.D.2	Y		466 MMbtu/hr at each turbine/duct burner set	BAAQMD Condition 18629, Part IX.D.4	P/M	records
Through- put	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MMbtu/hr total	BAAQMD Condition 18629, Part IX.D.4	P/M	records
SO2	40 CFR 60.333(b)	Y		0.8 % sulfur in fuel by weight	Condition 12122, Part 12	P/3 times per day	TRS analysis
SO2	BAAQMD Condition 18629, Part IX.F	Y		15.6 lb/hr at each turbine/duct burner set AND 44 lb/hr total (3- hr average); 34 lb/hr total (3-hr average) for more than 36 days per year AND 153 ton/yr	BAAQMD Condition 18629, Part IX.G.1.a	C/P	H2S CEM for fuel gas AND daily total sulfur sampling of fuel gas

Table VII – Q.1Applicable Limits and Compliance Monitoring RequirementsS352 - COMBUSTION TURBINES353 - COMBUSTION TURBINES354 - COMBUSTION TURBINE

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P / C / N)	Туре
H2S	40 CFR	Y		fuel gas H2S	40 CFR	С	H2S analyzer
	60.104(a)			concentration limited	60.105(a)(4)		
	(1)			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			

1 BAAQMD Regulation 9-9-301.2, 9-9-301.3, 9-9-303, and 9-9-305 emission limits may be adjusted pursuant to BAAQMD Regulation 9-9-401.

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements S355 – SUPPLEMENTAL DUCT BURNERS FOR S352 S356 – SUPPLEMENTAL DUCT BURNERS FOR S353 S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		66 lb/hr and 167	BAAQMD	С	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9b		
	9a			turbine/duct burner set			

Table VII – Q.2Applicable Limits and Compliance Monitoring RequirementsS355 – SUPPLEMENTAL DUCT BURNERS FOR S352S356 – SUPPLEMENTAL DUCT BURNERS FOR S353S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	40 CFR	Y		0.20 lb/MMbtu for	40 CFR	Ν	None
	60.44b(a)			natural gas firing only	60.48b(h) -		
	(4)(i)			conditions	Exempt from		
					NOx CEM		
					during natural		
					gas firing only		
					conditions		
NOx	40 CFR	Y		25 ppmv @ 15% O2	40 CFR	С	CEM
	60.44b(f)			(3-hr average) (based	60.48b(b)(l)		
				on PSD Permit	and		
				Condition 18629, Part	BAAQMD		
				IX.E)	Condition		
					18629, Part		
					IX.G.1.a		
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	С	CEM
	Condition			turbine/duct burner set	Condition		
				AND 83 lb/hr total or	18629, Part		
	18629, Part			25 ppmv at 15% O2 (3	IX.G.1.a		
	IX.E			hr average)			
CO	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	С	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						
СО	BAAQMD	Y		200 ton/yr	BAAQMD	С	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	10a						
POC	BAAQMD	Y		6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						

Table VII – Q.2Applicable Limits and Compliance Monitoring RequirementsS355 – SUPPLEMENTAL DUCT BURNERS FOR S352S356 – SUPPLEMENTAL DUCT BURNERS FOR S353S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	11						
Opacity	BAAQMD	Y		Ringelmann No. 1 for	None for	Ν	None
	6-301			no more than 3 minutes/hour	gaseous-fueled sources		
FP	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled		
FP	BAAQMD	Y		0.15 grain/dscf	sources None for	N	None
11	6-310	1		0.15 grani/user	gaseous-fueled	1	None
	0-510				sources		
Through-	BAAQMD	Y		2.42 E 12 btu/yr at	BAAQMD	P/D	records
put	Condition	1		S355, S356, S357	Condition	170	records
put	12122,			(combined)	12122, Part 15		
	Part 6			(comonica)	12122, 1 urt 13		
Through-	BAAQMD	Y		466 MMbtu/hr at each	BAAQMD	P/M	records
put	Condition			turbine/duct burner set	Condition		
put	18629, Part				18629, Part		
	IX.D.2				IX.D.4		
Through-	BAAQMD	Y		1048 MMbtu/hr total	BAAQMD	P/M	records
put	Condition				Condition		
F	18629, Part				18629, Part		
	IX.D.3				IX.D.4		
SO2	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
	18629, Part			AND 44 lb/hr total (3-	18629, Part		daily total
	IX.F			hr average); 34 lb/hr	IX.G.1.a		sulfur
				total (3-hr average) for			sampling of
				more than 36 days per			fuel gas
				year AND 153 ton/yr			
				total			

Table VII – Q.2Applicable Limits and Compliance Monitoring RequirementsS355 – SUPPLEMENTAL DUCT BURNERS FOR S352S356 – SUPPLEMENTAL DUCT BURNERS FOR S353S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR	Y		fuel gas H2S	40 CFR	С	H2S analyzer
	60.104(a)			concentration limited	60.105(a)(4)		
	(1)			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			

Table VII - RApplicable Limits and Compliance Monitoring RequirementsS376 - TOOL ROOM COLD CLEANERS377 - MACHINE SHOP COLD CLEANERS378 - AUTO SHOP COLD CLEANER

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		150 gal/yr of citrus-	BAAQMD	P/M	usage records
	Condition			based solvents, or	Condition		
	16677, Part			equivalent amount as	16677, Part 3a		
	1			allowed in Part 2			

Table VII – S Applicable Limits and Compliance Monitoring Requirements S425 – MARINE LOADING BERTH M1 S426 – MARINE LOADING BERTH M2

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Ν		POC Emission \leq 5.7 grams	BAAQMD	С	A420
	8-44-			per cubic meter (2 lb/1000	Condition		temperature
	304.1			barrel) loaded, or	4336, Part 1		
POC	BAAQMD	Ν		Controlled \geq 95% weight	BAAQMD	С	A420
	8-44-				Condition		temperature
	304.1				4336, Part 1		
POC	SIP	Y		POC Emission < 5.7 grams	BAAQMD	С	A420
	8-44-			per cubic meter (2 lb/1000	Condition		temperature
	301.1			barrel) loaded, or	4336, Part 1		
POC	SIP	Y		Controlled \geq 95% weight	BAAQMD	С	A420
	8-44-				Condition		temperature
	301.2				4336, Part 1		
POC	BAAQMD	Y		Controlled \geq 98.5% weight	BAAQMD	С	A420
	Condition				Condition		temperature
	4336, Part				4336, Part 1		
	9						
POC	BAAQMD	Ν		Vessels hatches, P/V	BAAQMD	P/E (after	inspection
	8-44-			valves, connections,	8-44-305.3 &	1/1/07,	with
	305.2			gauging ports and vents,	8-44-603	during every	portable
				and other equipment up to		operation)	VOC
				and including first			monitor
				connection			
				< 3 drops/minute for liquid			
				leak;			
				< 10,000 ppm for gaseous			
				leak			

Table VII – S Applicable Limits and Compliance Monitoring Requirements S425 – MARINE LOADING BERTH M1 S426 – MARINE LOADING BERTH M2

			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре		
POC	SIP	Y		Leak free and gas tight	Equipment	P/Q	inspection		
	8-44-303				leak		with		
					inspections as		portable		
					specified in		VOC		
					BAAQMD		monitor		
					Regulation 8,				
					Rule 18				
POC	BAAQMD	Y		1300 degrees F minimum	BAAQMD	С	A420		
	Condition			temperature during startup	Condition		temperature		
	4336, Part			not to exceed 15 minutes,	4336, Part 2b				
	1			1400 degrees F minimum					
				temperature after startup					
POC	BAAQMD	Y		maximum loading pressure	BAAQMD	С	loading		
	Condition			relative to lowest relief	Condition		pressure		
	4336, Part			valve setting (80%)	4336, Part 2a				
	5								
POC	BAAQMD	Y		25,000 bbl/day of gasoline,	BAAQMD	P/D	loading		
	Condition			naphtha and C5/C6	Condition		records		
	4336, Part			compounds, annual average	4336, Part 8				
	6a			basis					
POC	BAAQMD	Y		20,000 bbl/hr of gasoline,	BAAQMD	P/D	loading		
	Condition			naphtha and C5/C6	Condition		records		
	4336, Part			compounds	4336, Part 8				
	6b								

Table VII – SApplicable Limits and Compliance Monitoring RequirementsS425 – MARINE LOADING BERTH M1S426 – MARINE LOADING BERTH M2

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	0	Monitoring
					_	Frequency	_
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR 60	Y		fuel gas H2S concentration		P/E	
	Subpart J			limited to 230 mg/dscm	40 CFR		Detector
	60.104(a)			(0.10 gr/dscf) except for gas	60.13(i);		tube
	(1)			burned as a result of	BAAQMD		analysis
				process upset or gas burned	Condition		
				at flares from relief valve	4336, part 11		
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Through-	BAAQMD	Y		30,000 bbl/day of crude oil	BAAQMD	P/D	loading
put	Condition			received on an annual	Condition		records
	4336, Part			average basis	4336, Part 8		
	7						

Table VII – T Applicable Limits and Compliance Monitoring Requirements S450 – GROUNDWATER EXTRACTION TRENCHES

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
None							

Table VII – UApplicable Limits and Compliance Monitoring RequirementsS1001 - Sulfur Plant Unit 234; S1002 - Sulfur Plant Unit 236;S1003 - Sulfur Plant Unit 238; S301 - Molten Sulfur Pit 234;S302 - Molten Sulfur Pit 236; S303 - Molten Sulfur Pit 238

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
(H2S,	BAAQMD	N	Dutt	95% of H2S in	None	N	Type
ammonia)	9-1-313.2	11		refinery fuel gas is			
ummoniu)	and SIP	Y		removed and			
	9-1-313.2	1		recovered on a			
	y 1 010. <u>-</u>			refinery-wide basis			
				AND 95% of H2S in			
				process water streams			
				is removed and			
				recovered on a			
				refinery-wide basis			
				AND 95% of			
				ammonia in process			
				water streams is			
				removed; refineries			
				which remove the			
				equivalent of 16.5			
				ton/day or more of			
				elemental sulfur shall			
				install a sulfur			
				recovery plant or			
Opacity	BAAQMD	Y		sulfuric acid plant Ringelmann No. 1 for	BAAQMD	Y	Visible
opueny	6-301	1		no more than 3	Condition	1	emissions
				minutes/hour	19278 Port 4		inspection
FP	BAAQMD	Y		Prohibition of	Part 4 None	N	None
	6-305	-		nuisance			
FP	BAAQMD	Y		0.15 grain/dscf	None	Ν	None
	6-310						

Table VII – UApplicable Limits and Compliance Monitoring RequirementsS1001 - Sulfur Plant Unit 234; S1002 - Sulfur Plant Unit 236;S1003 - Sulfur Plant Unit 238; S301 - Molten Sulfur Pit 234;S302 - Molten Sulfur Pit 236; S303 - Molten Sulfur Pit 238

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
SO3,	BAAQMD	Y		0.08 grain/dscf	BAAQMD	P/A	Source Test
H2SO4	6-330			exhaust concentration	Condition 19278		
				of SO3 and H2SO4,	Part 3		
				expressed as 100%			
				H2SO4			
throughput	BAAQMD	Ν		98,915 long ton/yr for	BAAQMD	P/M	records
	Condition			S1001, S1002, S1003,	Condition		
	20989, Part			\$301, \$302, \$303	20989, Part A		
	А						

Table VII – V Applicable Limits and Compliance Monitoring Requirements S370 – ISOMERIZATION UNIT 228

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			
VOC	BAAQMD	Y		daily feed rate limit (11,040	BAAQMD	P/D	records
	Condition			bbl/day)	Condition		
	12121,				12121, Part 2		
	Part 1						
throughput	BAAQMD	Y		4.03 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

	S380 – ACTIVATED CARBON SILO (P-204)											
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type					
Opacity	BAAQMD 6-301	Y		Ringelmann No. less than 1 for more than 3 minutes/hr	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop					
FP	BAAQMD 6-305	Y		Prohibition of nuisance	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop					
FP	BAAQMD 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop					
FP	BAAQMD 6-311	Y		No emissions from source > rate specified in rule	BAAQMD Condition 18251, Part 2b	P/Q	Pressure Drop					
throughput	BAAQMD Condition 20989, Part A	Y		3,942 ton/yr	BAAQMD Condition 20989, Part A	P/M	records					

Table VII – W Applicable Limits and Compliance Monitoring Requirements S380 – ACTIVATED CARBON SILO (P-204)

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S389 – DIATOMACEOUS EARTH SILO (F-214)

S389 – DIATOMACEOUS EARTH SILO (F-214)											
Type of			Future		Monitoring	Monitoring					
Limit	Citation	FE	Effective		Requirement	Frequency	Monitoring				
	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
Opacity	BAAQMD	Y		Ringelmann No. less than	BAAQMD	P/E	Pressure				
	6-301			1 for more than 3	Condition	(baghouse	Drop				
				minutes/hr	18251, Part 2c	operation)					
FP	BAAQMD 6-305	Y		Prohibition of nuisance	BAAQMD	P/E	Pressure				
	0-303				Condition	(baghouse	Drop				
					18251, Part 2c	operation)					
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure				
	6-310			0.15 grains per dscf of gas	Condition	(baghouse	Drop				
				volume	18251, Part 2c	operation)					

Table VII - X										
Applicable Limits and Compliance Monitoring Requirements										
S389 – DIATOMACEOUS EARTH SILO (F-214)										

Type of			Future		Monitoring	Monitoring	
Limit	Citation	FE	Effective		Requirement	Frequency	Monitoring
	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure
	6-311			rate specified in rule	Condition	(baghouse	Drop
					18251, Part 2c	operation)	
throughput	BAAQMD	Y		1,840 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – YApplicable Limits and Compliance Monitoring RequirementsS462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEMS463 – U-215 BUTANE CAUSTIC TREATMENT SYSTEM

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y	startup	S462: 1.533 E 9 ft3/yr	BAAQMD	P/M	records
	Condition			S463: .365,000 bbl/yr	Condition		
	20989,				20989, Part A		
	Part A						

_				COMPONENTS	01		
Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		General equipment leak <	BAAQMD	P/Q	Inspection
	8-18-301			100 ppm	8-18-401.2		_
POC	BAAQMD	Y		Valve leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	8-18-302				8-18-401.2		
POC	BAAQMD	Y		Pump and compressor leak	BAAQMD	P/Q	Inspection
	8-18-303			<u><</u> 500 ppm	8-18-401.2		
POC	BAAQMD	Y		Connection leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	8-18-304				8-18-401.2e		
POC	BAAQMD	Y		Pressure relief valve leak \leq	BAAQMD	P/Q	Inspection
	8-18-305			500 ppm	8-18-401.2		
POC	BAAQMD	Y		Valve, pressure relief,	BAAQMD	P/quarterly	report
	8-18-306.1			pump or compressor must	8-18-502.4		
				be repaired within 5 years			
				or at the next scheduled			
				turnaround			
POC	BAAQMD	Y		Awaiting repair	BAAQMD	P/within 24	Inspection
	8-18-306.2			Valves $\leq 0.5\%$	8-18-401.5	hours	
				Pressure Relief $\leq 1\%$			
				Pump and Connector $\leq 1\%$			
POC	BAAQMD	Y		Mass emissions & non-	BAAQMD	P/D	Inspection
	8-18-			repairable equipment	8-18-401.3		
	306.3.2			allowed			
				Valve ≤ 0.1 lb/day &			
				$\leq 1.0\%$			
				Pressure Relief ≤ 0.2 lb/day			
				& $\leq 5\%$ Pump and Connector ≤ 0.2			
				Pump and Connector ≤ 0.2 lb/day & $\leq 5\%$			
POC	BAAQMD	Y		Total valve, pressure relief,	BAAQMD	P/Q	sampling or
100	8-18-	1		pump or compressor leaks	8-18-502.4	Π/Q	equivalent
	306.3.3			\geq 15 lb/day, they must be	0-10-302.4		equivalent
	500.5.5			repaired within 7 days			
	1			repaired within / days			

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 POC	BAAQMD 8-28-303 BAAQMD 8-28-304	Y		Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency or Meet Prevention Measures Procedures PHA within 90 days and meet Prevention Measures Procedures. After 2 nd release Vent Pressure Relief Devices to an Abatement	BAAQMD 8-28-405 BAAQMD 8-28-405	P/turn- around P/release per 5 calendar year	None
				Device with at least 95% by weight control efficiency.			
РОС	40 CFR 60.482-2 (b)(1)	Y		60; Subpart VV Pump leak: 10,000 ppm	40 CFR 60.482-2 (a)(1)	P/M	Measure for leaks
РОС	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
РОС	40 CFR 60.482-2(e)	Y		Designated "No detectable emissions": 500 ppm	40 CFR 60.482- 2(e)(3)	P/A	Measure for leaks
POC	40 CFR 60.482-8 (b)	Y		Pump leak : 10,000 ppm	40 CFR 60.482-8 (a)	P/5 days	Visual, audible, olfactory Inspection; Measure for leaks
POC	40 CFR 60.482-4(b)	Y		Pressure relief valve (gas/vapor) leak: 500 ppm within 5 days after a pressure release event	40 CFR 60.482-4(b)	P/E	Measure for leaks within 5 days after release
POC	40 CFR 60.482-7(b)	Y		Valve leak: 10,000 ppm	40 CFR 60.482-7(a)	P/M	Measure for leaks

Table VII – AB Applicable Limits and Compliance Monitoring Requirements COMPONENTS

			•	COMPONENTS		-	
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	40 CFR	Y		Valve leak: 10,000 ppm; 2	40 CFR	P/Q	Measure for
	60.482-7(b)			successive months w/o	60.482-7(c)		leaks
				leaking			
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-7(f)			emissions": 500 ppm	60.482-7		leaks
					(f)(3)		
POC	40 CFR	Y		Pumps and valves in heavy	40 CFR	P/E	Visible,
	60.482-8(a)			liquid service, Pressure	60.482-8(a)		Audible, or
				Relief devices (light or			olfactory
				heavy liquid), Flanges,			Inspection
				Connectors leak shall be			
				measured for leak in 5 days			
				if detected by inspection			
POC	40 CFR	Y		Pressure Relief devices	40 CFR	P/E	Measure for
	60.482-8(b)			(liquid), Flanges,	60.482-8(a)		leaks
				Connectors leak: 10,000			
				ppm			
POC	40 CFR	Y		Individual valve that	same as limit	P/Q	Measure for
	60.483 and			measures <100 ppm for 5			leaks
				consecutive quarters may			
	BAAQMD			be monitored annually, if in		P/A	
	8-18-404.1			a process unit with 5			
				consecutive quarters <2%			
				valves leaking: 10,000 ppm.			
	10.000		I	61; Subpart FF	10.000		I
POC	40 CFR	Y		Exemption for facilities	40 CFR	P/A	report
	61.342 (a)			with less than 10 Mg/yr of	61.357 (c)		
				benzene in waste			

Table VII – AB Applicable Limits and Compliance Monitoring Requirements COMPONENTS

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) Emission Future Type of Monitoring Monitoring Limit Limit FE Effective Requirement Frequency Monitoring Citation Y/N Date Citation (P/C/N)**Emission Limit** Type BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure POC Exemption from Regulation 8-5 BAAQMD P/E BAAOMD Y Vapor pressure 8-5-117 & 2-6-409.2 & determination when true vapor pressure is less than 25.8 mm Hg (0.5 psia). Condition upon material Condition 20773, Part 2 change 20773, Part 1 BAAQMD 8, Rule 8 – Organic Compounds – Wastewater (Oil Water Separators) VOC BAAQMD Y Vapor tight gauging and BAAQMD Ν Portable 8-8-303 8-8-504 sampling devices hydrocarbon 8-8-603 detector VOC Y Combined BAAQMD Source test or Ν BAAQMD 8-8-602 EPA Method collection/destruction 8-8-304 efficiency of 95% by 25 or 25A weight. 40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries NONE Exempt per 63.640(d)(5). Emission point routed to fuel gas system. 40 CFR 60, Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems VOC 40 CFR Y Fixed roof closure standards 40 CFR Visual periodic 60.692-3(a) 60.692-3(a)(4) initially and inspection semiannually VOC Y Problems identified during 40 CFR periodic Records 60.697(c) 60.692-3(a) inspections that when could result in VOC problem is identified emissions VOC Y Problems identified during 40 CFR periodic Report 60.692-3(a) inspections that 60.698(c) initially and could result in VOC semiemissions annually

Table VII – BB.1Applicable Limits and Compliance Monitoring RequirementsNSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKSWITH VAPOR RECOVERY TO FUEL GASS433 (F224 - MOSC)

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	40 CFR 60, Subpart Kb – NSPS for VOL Storage Vessels									
	MONITORI	NG FO	OR RECOR	RDKEEPING ONLY						
VOC	40 CFR	Y		True vapor pressure less	40 CFR	periodic	Record			
	60.110b(c)			than 3.5 kPa.	60.116b	initially and				
					(b)	upon change				
						of service				
	BAAQMD P	ERMI	T CONDI	TIONS						
throughput	BAAQMD	Y		138,700 bbl/yr	BAAQMD	P/W	records			
	Condition				Condition					
	7353, Part 4				7353, Part 5					

Table VII – BB.2 Applicable Limits and Compliance Monitoring Requirements Low VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING S118 (TANK 163)

				5110 (TANK 105)					
Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре		
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	Exempt per	8-5-11	7. Low vap	or pressure	-				
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure		
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination		
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material		
	20773, Part 1				20773, Part 2		change		
	40 CFR 63, S	Subpar	rt CC – NE	SHAP for Petroleum Refiner	ries				
	MONITORI	NG FO	OR RECOR	RDKEEPING ONLY					
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records		
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and			
				for Group 2 determination.	(iv)	upon change			
						in service			
	BAAQMD P	ERMI	T CONDI	TIONS					

Table VII – BB.2 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING S118 (TANK 163)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Ν		15,000 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	А						

Table VII – BB.3

Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS S117 (TANK 162), S193 (TANK 305), S194 (TANK 306)

Type of	Emission	,	Future), 5170 (111(11000), 5	Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	8-5-11	7. Low vap	or pressure						
POC	BAAQMD	Y		Exemption from Regulation 8,	BAAQMD	P/E	Vapor			
	8-5-117 &			Rule 5 when true vapor pressure	2-6-409.2 &		pressure			
	Condition			is less than 25.8 mm Hg (0.5	Condition		determination			
	20773, Part 1			psia).	20773, Part 2		upon material			
							change			
NONE	40 CFR 63, S	Subpa	rt CC – NE	SHAPS for Petroleum Refine	eries					
	Exempt per	63.641	storage ve	ssel definition. Size less than	or equal to 10,	000 gallons.				
	BAAQMD P	ERM	T CONDI	TIONS						
throughput	BAAQMD	Ν		S117: 8.76 E 5 bbl/yr	BAAQMD	P/M	Records			
	Condition			S193: 100 bbl/yr	Condition					
	20989, Part			S194: 100 bbl/yr	20989, Part A					
	А									

Table VII – BB.4Applicable Limits and Compliance Monitoring RequirementsLOW VAPOR PRESSURE PERMITTED TANKSVENTED TO FUEL GASS238 (TANK 211), S239 (TANK 212)

1	h		5-00 ($1 \times 11, 5257$ (1A)			· · · · · · · · · · · · · · · · · · ·			
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	8-5-11	7. Low vap	or pressure						
POC	BAAQMD	Y		Exemption from Regulation 8,	BAAQMD	P/E	Vapor			
	8-5-117 &			Rule 5 when true vapor pressure	2-6-409.2 &		pressure			
	Condition			is less than 25.8 mm Hg (0.5	Condition		determination			
	20773, Part 1			psia).	20773, Part 2		upon material			
							change			
NONE	63 Subpart (CC - N	ESHAPS f	or Petroleum Refineries						
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.					
	BAAQMD F	ERMI	T CONDIT	TIONS						
throughput	BAAQMD	N		S238: 1.0 E 6 bbl/yr	BAAQMD	P/M	Records			
	Condition			S239: 8.76 E 6 bbl/yr	Condition					
	20989, Part				20989, Part A					
	А									

Table VII – BB.5

Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per 8	8-5-11	7. Low vap	or pressure						
POC	BAAQMD 8-5-117 &	Y		Exemption from Regulation 8, Rule 5 when true vapor pressure	BAAQMD 2-6-409.2 &	P/E	Vapor pressure determination			
	Condition			is less than 25.8 mm Hg (0.5	Condition		upon material			
	20773, Part 1			psia).	20773, Part 2		change			
	BAAQMD 8, Rule 8 – Organic Compounds – Wastewater (Oil Water Separators)									
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	Ν	Portable			
	8-8-303			sampling devices	8-8-504		hydrocarbon			
					8-8-603		detector			

Table VII – BB.5Applicable Limits and Compliance Monitoring RequirementsNSPS KB Low VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKSS195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

		((),	5170 (TANK 502), 530	(012 200)	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Slop oil tank vessel roof	BAAQMD	periodic	visual
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection
						semi-annually	
	40 CFR 60, S	ubpaı	rt Kb - NSP	S for VOL Storage Vessels a	t Petroleum Re	efineries	
	40 CFR 63, S	ubpaı	rt CC – Nat	ional Emission Standards for	r Hazardous Ai	r Pollutants for	Petroleum
	Refineries						
	RECORDKE	EPIN	G ONLY				
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	63.640(n)(1)			than 3.5 kPa.	63.640(n)(8)		
	60.110b(c)				60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification
pressure				kPa).	63.640(n)(8)	within 30 days	
					60.116b(d)	of exceedance	
	40 CFR 60, S	ubpaı	rt QQQ – V	OC Emissions from Petroleu	ım Refinery Wa	astewater Syste	ms
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual
	60.692-3(a)				60.692-	initially and	inspection
					3(a)(4)	semi-annually	
VOC		Y		Problems identified during	40 CFR	periodic	Records
				60.692-3(a) inspections that	60.697(c)	when problem	
				could result in VOC		is identified	
				emissions			
VOC		Y		Problems identified during	40 CFR	periodic	Report
				60.692-3(a) inspections that	60.698(c)	initially and	
				could result in VOC		semi-annually	
				emissions			
	BAAQMD PI	ERMI	T CONDII	TIONS	0	1	
throughput	BAAQMD	Y		S195, S196, S388:	BAAQMD	P/M	Records
	Condition			525,600 bbl/yr	Condition		
	20989, Part			-	20989, Part A		
	A						
	А						

	S121 (TANK 166)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
	BAAQMD I	Regulat	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS					
	-	0	-	G FOR EXTERNAL FLOAT		-						
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records					
	8-5-301			true vapor pressure	8-5-501.1	initially and						
						upon change						
						of service						
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement					
	8-5-320			standards; includes gasketed	8-5-401.2		and visual					
		••		covers		D/G + 1	inspection					
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal					
	8-5-321			includes gap criteria	8-5-401.1	every time a seal is	inspection					
						replaced						
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal					
	8-5-322	1		standards; includes gap	8-5-401.1	every time a	inspection					
				criteria		seal is	p					
						replaced						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable					
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon					
				degassing		emptied &	detector					
						degassed						
VOC		Y		Certification reports on tank	BAAQMD	periodic	Certification					
				inspections and source tests	8-5-404	after each	Report					
					8-5-405	tank						
						inspection and source						
						test						
VOC		Y		Records of tank seal	BAAQMD	periodic	Records					
,00		1		replacement	8-5-501.2	after each	iceoius					
				.r		tank seal						
						replacement						
VOC		Y		Determination of	BAAQMD	P/E	look-up table					
				applicability	8-5-604		or sample					
							analysis					

Table VII – BB.6 Applicable Limits and Compliance Monitoring Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK \$121 (TANK 166)

Table VII – BB.6Applicable Limits and Compliance Monitoring RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS121 (TANK 166)

1	n			D121 (11111 100)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	40 CFR 63 S	bubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	MONITOR	ING FO	OR RECOI	RDKEEPING ONLY			
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and	
				for Group 2 determination.	(iv)	upon change	
						in service	
	BAAQMD F	PERMI	T CONDI	TIONS			
throughput	BAAQMD	Ν		3.52 E 4 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	А						

Table VII – BB.7Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Type of	Emission		Future	10), 5442 (TANK 112), 100	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	0	Monitoring
Linnt	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	-	0		5, Organic Compounds - ST		-	IDS
			NITORINO	FOR EXTERNAL FLOAT			h
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-401.2		and visual
Noc	DA A ON (D	17		covers		D/G A 1	inspection
VOC	BAAQMD	Y		Primary rim-seal standards; includes gap criteria	BAAQMD	P/SA and	Seal inspection
	8-5-321			includes gap criteria	8-5-401.1	every time a seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal inspection
voc	8-5-322	1		standards; includes gap	8-5-401.1	every time a	Sear inspection
	8-5-522			criteria	0-5-401.1	seal is	
				enterna		replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
VOC		Y		Certification reports on tank	BAAQMD	periodic	Certification
				inspections and source tests	8-5-404	after each tank	report
					8-5-405	inspection and	
						source test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
				replacement	8-5-501.2	after each tank	
						seal	
					DALONG	replacement	1 1
VOC		Y		Determination of	BAAQMD	P/E	look-up table or
				applicability	8-5-604		sample analysis

				and Compliance Mon		•					
439 (T) GAP EXTERNAL FLOA 10), S442 (TANK 112), †			(TANK 695)				
Type of	Emission	3440	Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
Linnt	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
		1		PS for VOL Storage Vessels	Citation		1.756				
40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries											
				G FOR EXTERNAL FLOAT		ANKS					
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual				
	63.640			standards; includes gasketed	63.640(n)(8),	initially & each	inspection				
	(n)(1),			covers	60.113b	time emptied &					
	60.112b				(b)(6)	degassed					
	(a)(2)(ii)										
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measuremen				
	63.640			includes gap criteria	63.640(n)(8),	initially & at 5	and visual				
	(n)(1),				60.113b	yr intervals	inspection				
	60.113b				(b)(1)-(b)(3)						
	(b)(4)(i)										
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measuremen				
	63.640			standards; includes gap	63.640(n)(8),	initially &	and visual				
	(n)(1),			criteria	60.113b	annually	inspection				
	60.113b				(b)(1)-(b)(3)						
	(b)(4)(ii)										
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	periodic	Records				
	63.640			rue vapor pressure	63.640(n)(8),	upon change of					
	(n)(1),				60.116b	service					
	60.116b				(c) & (e)						
	(c)										
VOC		Y		Seal inspection records for	40 CFR	periodic	Records				
				report in 60.115b(b)(2)	63.640(n)(8),	For each gap					
					60.115b(b)(3)	measurement					
VOC		Y		Inspection report for seal	40 CFR	periodic	Report				
				gap measurements	63.640(n)(8),	Within 60 days					
					60.115b(b)(2)						
NOC					10.000	measurement	D .				
VOC		Y		Inspection report for non-	40 CFR	periodic	Report				
				compliant seals	63.640(n)(8),	Within 30 days					
					60.115b(b)(4)	of seal					
						inspection					

Table VII – BB.7 Applicable Limits and Compliance Monitoring Requirements

				and Compliance Mo GAP External Flo			
S439 (TA				10), S442 (TANK 112)			(TANK 695)
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD F	PERMI	IT CONDIT	TIONS			
The followin	g applies to	S439 o	nly				
throughput	BAAQMD	Y		3,650,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12124, Part				12124, Part 3		
	1						
The followin	g applies to	S440 o	nly				1
throughput	BAAQMD	Y		3,600,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12125, Part				12125, Part 3		
	1						
The followin	g applies to	S442 o	nly		-		
throughput	BAAQMD	Y		2,740,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12127, Part				12127, Part 3		
	1						
The followin	g applies to	S444 o	nly				
throughput	BAAQMD	Y		4,380,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12129, Part				12129, Part 3		
	1						
The followin	g applies to	S451 o	nly				
throughput	BAAQMD	Y		11,000,000 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	19476, Part				19476, Part 3		
	1						

Table VII – BB.7

Table VII – BB.8Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKSS101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

	<u>م</u>	101 (I ANK IU	4), 5102 (TANK 105), 5	100 (I ANK .	130)	S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)											
Type of	Emission		Future		Monitoring	Monitoring												
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring											
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре											
	BAAQMD F	Regulat	tion 8, Rule	5, Organic Compounds - STO	ORAGE OF OF	RGANIC LIQU	UIDS											
	-	-		G FOR EXTERNAL FLOAT														
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records											
	8-5-301			true vapor pressure	8-5-501.1	initially and												
						upon change												
						of service												
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement											
	8-5-320			standards; includes gasketed	8-5-401.2		and visual											
VOC	BAAQMD	Y		covers Primary rim-seal standards;	BAAQMD	P/SA and	inspection Seal											
VUC	8-5-321	I		includes gap criteria	~	every time a	inspection											
	0-5-521			menudes gap enteria	8-5-401.1	seal is	inspection											
						replaced												
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal											
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection											
				criteria		seal is	-											
						replaced												
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable											
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon											
				degassing		emptied &	detector											
					D 4 4 O 1 (D	degassed	G											
VOC		Y		Certification reports on tank	BAAQMD 8-5-404	periodic	Certification											
				inspections and source tests	8-5-405	after each tank	report											
					8-5-405	inspection												
						and source												
						test												
VOC		Y		Records of tank seal	BAAQMD	periodic	records											
				replacement	8-5-501.2	after each												
				_		tank seal												
						replacement												
VOC		Y		Determination of	BAAQMD	P/E	look-up table											
				applicability	8-5-604		or sample											
	<u> </u>				<u> </u>		analysis											

Table VII – BB.8Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKSS101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

Type of	Emission		Future	(1 ANK 105), 5	Monitoring	Monitoring	
		DD	Effective		0	_	Manitaning
Limit	Limit	FE			Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	ng apply to S		ly	1	1	T	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of maximum allowable working	8-5-403		inspection
				pressure of the tank, or at			
				least 0.5 psig			
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
				methane) above background	8-5-503		hydrocarbon
					8-5-605		detector
The followi	ng apply to S	106 on	ly				
	BAAQMD F	Regulat	ion 8, Rule	8 – Organic Compounds – W	astewater (Oil	Water Separa	tors)
VOC	BAAQMD	Y		Primary seal gap criteria	BAAQMD	periodic	measurem
	8-8-302.2				8-8-302.2.3	initially and	ent and
	8-8-302.2.1					every 5 year	s inspection
VOC	BAAQMD	Y		Secondary and wiper seal	BAAQMD	periodic	measurem
	8-8-302.2			gap criteria	8-8-302.2.3	initially and	ent and
	8-8-302.2.2					every 5 year	s inspection
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	Ν	Portable
	8-8-303			sampling devices	8-8-504		hydrocarb
					8-8-603		on
							detector
NONE	40 CFR 63, 9	Subpar	t CC – NE	SHAPS for Petroleum Refine	ries		
	NO MONIT	ORIN	G REQUIR	EMENTS FOR GROUP 2 W	ASTEWATER	SOURCES	
	40 CFR 60, S	Subpar	rt Kb – NSI	PS for VOL Storage Vessels			
	40 CFR 60, S	Subpar	rt QQQ – V	OC Emissions from Petroleur	m Refinery Wa	stewater Syste	ms
	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	ING ROOF TA	NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	60.692-3(d)			standards; includes gasketed		initially &	inspection
	60.112b			covers	60.113b	each time	
	(a)(2)(ii)				(b)(6)	emptied & degassed	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	60.692-3(d)			includes gap criteria	60.692-3(d)	initially & at	and visual
	60.113b				60.113b	5 yr intervals	inspection
	(b)(4)(i)				(b)(1)-(b)(3)		

Table VII – BB.8Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKSS101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

		((1 ANK 103), 3			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	60.692-3(d)			standards; includes gap	60.692-3(d)	initially &	and visual
	60.113b			criteria	60.113b	annually	inspection
	(b)(4)(ii)				(b)(1)-(b)(3)		
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	periodic	Records
	60.692-3(d)			true vapor pressure	60.692-3(d)	upon change	
	60.116b				60.116b	of service	
	(c)				(c) & (e)		
VOC		Y		Seal inspection records for	40 CFR	periodic	Records
				report in 60.115b(b)(2)	60.692-3(d)	For each gap	
					60.115b(b)(3)	measurement	
VOC		Y		Inspection report for seal	40 CFR	periodic	Report
				gap measurements	60.692-3(d)	Within 60	
					60.115b(b)(2)	days of seal	
						gap	
						measurement	
VOC		Y		Inspection report for non-	40 CFR	periodic	Report
				compliant seals	60.692-3(d)	Within 30	
					60.115b(b)(4)	days of seal	
						inspection	
	BAAQMD P	ERMI	T CONDIT	TIONS			
throughput	BAAQMD	Y		S101: 3.68 E 9 gal/yr	BAAQMD	P/M	records
	Condition			S102: 3.68 E 9 gall/yr	Condition		
	20989, Part			S106: 3.68 E 9 gal/yr	20989, Part A		
	A				-		

Table VII – BB.9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

Type of	Emission		Future	5440 (IA(K 1007)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
				5, Organic Compounds - ST			
	-	0		G FOR INTERNAL FLOAT		-	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
Noc	D.L.O.CD	37				of service	
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed	BAAQMD 8-5-402.3	P/SA	Measurement and visual
	8-3-320			covers	8-3-402.5		inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	periodic	Seal
	8-5-321			includes gap criteria	8-5-402.1	10 year	inspection
						intervals and	
						every time a	
						seal is replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	periodic	Seal
	8-5-322	1		standards; includes gap	8-5-402.1	10 year	inspection
				criteria		intervals and	•
						every time a	
						seal is	
VOC	BAAQMD	Y		Visual inspection of outer	BAAQMD	replaced P/SA	Visual
VOC	8-5-305,	I		wisual inspection of outer most seal	8-5-402.2	P/SA	inspection
	8-5-321.1,			most sour	0.5 102.2		mspection
	8-5-322.1						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
VOC		Y		Certification reports on tank	BAAQMD	degassed periodic	Certification
,00		1		inspections and source tests	8-5-404	after each	report
					8-5-405	tank	
						inspection	
						and source	
Noc		37			DAAOME	test	D 1
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each	Records
				replacement	0-5-501.2	tank seal	
						replacement	

Table VII – BB.9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

	n			5448 (TANK 1007)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
		-		S for VOL Storage Vessels			
		-		SHAPS for Petroleum Refine			
			NITORIN	G FOR INTERNAL FLOAT	r		1
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.640			standards; includes gasketed	63.640(n)(8),	initially &	inspection
	(n)(1),			covers	60.113b	each time	
	60.112b				(a)(3) & (4)	emptied &	
	(a)(1)					degassed, at least every 10	
						yr	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	visual
voc	63.640	1		no holes or tears	63.640(n)(8),	initially &	inspection
	(n)(1),			no noies or tears	60.113b	each time	inspection
	60.113b				(a)(3) & (4)	emptied &	
	(a)(1) & (4)				(4)(5) 66 (1)	degassed, at	
						least every 10	
						yr	
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	visual
	63.640			standards; no holes or tears	63.640(n)(8),	initially &	inspection
	(n)(1),				60.113b	each time	
	60.113b				(a)(3) & (4)	emptied &	
	(a)(1) & (4)					degassed, at	
						least every 10	
VOC	40 CFR	Y		Internal visual inspection	40 CFR	yr periodic	visual
VOC	40 CFR 63.640	I		from viewports of fixed roof	40 CFK 63.640(n)(8),	initially &	inspection
	(n)(1),			from viewports of fixed foor	60.113b	annually	inspection
	60.113b				(a)(2) & (3)	annuarry	
	(a)(2)				(4)(2) 66 (5)		
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	periodic	records
	63.640			true vapor pressure	63.640(n)(8),	upon change	
	(n)(1),				60.116b	of service	
	60.116b				(c) & (e)		
	(c)						
VOC		Y		Record of each initial,	40 CFR	periodic	records
				annual, and 10-year tank	63.640(n)(8),	for each tank	
				inspection	60.115b(a)(2)	inspection	

Table VII – BB.9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC		Y		Report of non-compliant annual inspection for tanks	40 CFR 63.640(n)(8),	<u>periodic</u> within 30	report
				with secondary seals	60.115b(a)(4)	days of tank inspection	
	BAAQMD H	PERM	T CONDIT	TIONS			
throughput	BAAQMD Condition 12133, Part	Y		2,190,000 bbl/yr	BAAQMD Condition 12133, Part 3	P/M	records
	1						

Table VII – BB.10

Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S126 (Tank 172) S257 (Tank 1004) S258 (Tank 1005)

1	S120 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)										
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD I	Regulat	ion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS				
	LIMITS AN	D MO	NITORINO	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS					
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records				
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/SA	Measurement and visual inspection				
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection				

Table VII – BB.10Applicable Limits and Compliance Monitoring RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)

		- (-	(1007), 0257 (1007), 0			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
The following	ng apply only	to S12	6 and S258				
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector

Table VII – BB.10Applicable Limits and Compliance Monitoring RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)

		1) 01), 5257 (Talik 1004), 5		,							
Type of	Emission		Future		Monitoring	Monitoring							
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring						
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре						
The followin	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 A	AND N	IONITORI	NG FOR INTERNAL FLOA	ATING ROOF 7	TANKS							
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual						
	63.646(f)			standards	63.646	each time	inspection						
					(a) & (e)	emptied &							
					63.120(a)(3)	degassed, at							
						least every							
						10 years							
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	visual						
	63.646(a)			no holes or tears	63.646(a)	each time	inspection						
	63.120(a)(7)				63.120(a)(3)	emptied &							
						degassed, at							
						least every							
						10 years							
HAP	40 CFR	Y		No gaps visible from the	40 CFR	P/A	visual						
	63.646(a)			tank top	63.646(a)		inspection						
	63.120(a)(4)				63.120(a)(3)								
HAP	40 CFR	Y		No liquid on the floating	40 CFR	P/A	visual						
	63.646(a)			roof or other obvious defects	63.646(a)		inspection						
	63.120(a)(4)			visible from the tank top	63.120(a)(3)								
	BAAQMD P	ERMI	T CONDII	TIONS									
throughput	BAAQMD	Ν		S126: 1.05 E 7 bbl/yr	BAAQMD	P/M	records						
	Condition			S257: 7.01 E 7 bbl/yr	Condition , Part								
	20989, Part			S258: 7.01 E 7 bbl/yr	А								
	А												

Table VII – BB.11Applicable Limits and Compliance Monitoring RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS135 (TANK 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD R	Regulat	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	LIMITS AN	D MO	NITORINO	G FOR CVS & CONTROL D	EVICES		
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change of service	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable working			
				pressure of the tank, or at			
VOC		Y		least 0.5 psig		P/SA	Mathad 21
VUC	BAAQMD 8-5-303.2	Ŷ		Pressure vacuum valve must be gas-tight: < 500 ppm (as	BAAQMD 8-5-403	P/SA	Method 21 portable
	0-5-505.2			methane) above background	8-5-503		hydrocarbon
					8-5-605		detector
VOC	BAAQMD	Y		Control device standards;	BAAQMD	not specified	MOP
	8-5-306			includes 95% efficiency	8-5-603.1		Volume IV
				requirement			ST-4
VOC	BAAQMD	Y		Organic concentration in tank	BAAQMD	periodic	portable
	8-5-328.1.2			<10,000 ppm as methane after cleaning	8-5-503	each time emptied &	hydrocarbon detector
				arter creaning		degassed	detector
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NONE		-		SHAPS for Petroleum Refine			
				ission point routed to fuel gas	s system.		
		-		'S for VOL Storage Vessels G FOR CVS & CONTROL D	EVICES (NOT		
VOC	40 CFR			Closed vent system leak	40 CFR	as required in	Method 21
voc	60.112b	1		tightness standards (< 500	40 CI K 60.112b	60.485(b)	Wiethou 21
	(a)(3)(i)			ppmw)	(a)(3)(i)	[Subpart VV]	
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified
	60.112b			includes 95% efficiency	60.113b	upprovou	parameter
	(a)(3)(ii)			requirement	(c)(2)		r
				_			
	BAAQMD P	ERMI	T CONDI	TIONS			
he followi	ng applies to S	S135 o	nly				

Table VII – BB.11Applicable Limits and Compliance Monitoring RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS\$135 (TANK 200), \$360 (TANK 223), \$445 (TANK 271), \$449 (TANK 285)

· · · · · · · · · · · · · · · · · · ·	JIJJ (IAN	X 200), 0500 (1 ANK 223), 5445 (1 A)	IX <i>21</i> 1), 041		(30)
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Vapor pressure < 11 psia	BAAQMD	periodic	records
	Condition				8-5-501.1	initially and	
	22518, Part 1					upon change	
						of service	
	BAAQMD	Y		10 E 6 bbl/yr	BAAQMD	P/E	Records
	Condition				8-5-501.1		
	22518, Part 3						
The followi	ng applies to S	6445 o	nly.				
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None
	Condition			working emissions to fuel			
	12130, Part 1			gas system			
The followi	ng applies to S	5449 o	nly.			_	
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None
	Condition			working emissions to fuel			
	11219, Part 1			gas system			
The followi	ng applies to S	5360 o	nly.				
throughput	BAAQMD	Y		2.78 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part A				20989, Part A		

Table VII – BB.12Applicable Limits and Compliance Monitoring RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)WITH VAPOR RECOVERY TO FUEL GASS446 (TANK 310), S447 (TANK 311)

1	1	1	~ (1 ANK 510, 5447 ($1 AN$		1	1				
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD R	egulat	ion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS				
	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES										
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records				
	8-5-301			true vapor pressure	8-5-501.1	initially and					
						upon change					
						of service					
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual				
	8-5-303.1			pressure within 10% of	8-5-403		inspection				
				maximum allowable							
				working pressure of the							
				tank, or at least 0.5 psig							
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21				
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable				
				methane) above background	8-5-503		hydrocarbon				
VOC	DAAOMD	Y		Control doning stor donday	8-5-605	and an and find	detector MOP				
VUC	BAAQMD 8-5-306	Ŷ		Control device standards; includes 95% efficiency	BAAQMD 8-5-603.1	not specified	Volume IV				
	8-3-300			requirement	8-3-005.1		ST-4				
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable				
voe	8-5-328.1.2	1		tank <10,000 ppm as	8-5-503	each time	hydrocarbon				
	0.5.520.1.2			methane after cleaning	0.5.505	emptied &	detector				
				methale after eleaning		degassed	actector				
VOC		Y		Determination of	BAAQMD	P/E	look-up				
				applicability	8-5-604		table or				
							sample				
							analysis				
NONE	40 CFR 63, 8	Subpar	t CC – NE	SHAPS for Petroleum Refine	eries						
	Exempt per	63.640	(d)(5). Emi	ission point routed to fuel ga	s system.						
	40 CFR 60, 8	Subpar	t Kb – NSF	PS for VOL Storage Vessels							
	LIMITS AN	D MO	NITORINO	G FOR CVS & CONTROL D	DEVICES (NOT	A FLARE)					
VOC	40 CFR	Y		Closed vent system leak	40 CFR	as required in	Method 21				
	60.112b			tightness standards (< 500	60.112b	60.485(b)					
	(a)(3)(i)			ppmw)	(a)(3)(i)	[Subpart VV]					
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified				
	60.112b			includes 95% efficiency	60.113b(c)(2)		parameter				
	(a)(3)(ii)			requirement							
	BAAQMD P	ERMI	T CONDI	TIONS							

Table VII – BB.12Applicable Limits and Compliance Monitoring RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)WITH VAPOR RECOVERY TO FUEL GASS446 (TANK 310), S447 (TANK 311)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
The following applies only to S446											
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None				
	Condition			working emissions to fuel							
	12131,			gas system							
	Part 1										
The following	ng applies onl	y to S4	147								
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None				
	Condition			working emissions to fuel							
	12132, Part			gas system							
	1										

	1001), 5255 (TANK 1002), 5250 (TANK 1005), 5259 (TANK 1000)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
	BAAQMD I	Regulat	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS					
	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	TING-ROOF TA	ANKS						
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records					
	8-5-301			true vapor pressure	8-5-501.1	initially and						
						upon change						
						of service						
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement					
	8-5-320			standards; includes gasketed	8-5-401.2		and visual					
				covers			inspection					
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal					
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection					
						seal is replaced						
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal					
VUC	8-5-322	I		standards; includes gap	8-5-401.1	every time a	inspection					
	0-5-522			criteria	0-5-401.1	seal is	inspection					
				••••••		replaced						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable					
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon					
				degassing		emptied &	detector					
						degassed						
VOC		Y		Certification reports on tank	BAAQMD	periodic	Reports					
				inspections and source tests	8-5-404	after each						
					8-5-405	tank						
						inspection						
						and source						
VOC		Y		Records of tank seal		test	Records					
VUC		Y		replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each	Records					
				replacement	0-5-501.2	tank seal						
						replacement						
VOC		Y		Determination of	BAAQMD	P/E	look-up table					
				applicability	8-5-604		or sample					
							analysis					

	1001), 5255 (TANK 1002), 5250 (TANK 1005), 5257 (TANK 1000)									
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
The followin	ng apply only	to S10	97 (Tank 15	0), S110 (Tank 155), S115 (T	ank 160), S123	(Tank 168), SI	28 (Tank			
174), S129 (Tank 180), a	nd S17	8 (Tank 288	3)						
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual			
	8-5-303.1			pressure within 10% of	8-5-403		inspection			
				maximum allowable working						
				pressure of the tank, or at						
				least 0.5 psig						
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21			
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable			
				methane) above background	8-5-503		hydrocarbon			
					8-5-605		detector			
The followin	ng apply only	to S10	7 (Tank 15	0), S110 (Tank 155), S115 (T	ank 160), S123	(Tank 168), S1	28 (Tank			
	Tank 180), a					,	-			
	40 CFR 63,		· ·							
	· · · · · · · · · · · · · · · · · · ·	-		SHAPS for Petroleum Refine	ries					
		-		G FOR EXTERNAL FLOAT		NKS				
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual			
	63.646(f)			standards	63.646	initially &	inspection			
					(a) & (e)	each time	-			
					63.120	emptied &				
					(b)(10)	degassed				
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement			
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual			
	63.120				63.120	5 yr intervals	inspection			
	(b)(3)&(5)				(b)(1) & (2)					
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement			
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual			
	63.120			criteria	63.120	annually	inspection			
	(b)(4)&(6)				(b)(1) & (2)					
	BAAQMD I	PERMI	T CONDIT	TIONS						

1001), S255 (TANK 1002), S250 (TANK 1005), S259 (TANK 1000)										
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
VOC	BAAQMD	Y		S124: 6,815 lb/12-month	BAAQMD	P/M	Records and			
	Condition			period	Condition		calculations			
	22478, Part				22478, Part 8					
	2									
	BAAQMD	Y		S186: 2,231 lb/12-month	BAAQMD	P/M	Records and			
	Condition			period	Condition		calculations			
	22478, Part				22478, Part 8					
	3									
throughput	BAAQMD	Ν		S97: 1.1 E 7 bbl/yr	BAAQMD	P/M	Records			
	Condition			S100: 4.38 E 6 bbl/yr	Condition					
	20989, Part			S107: 8.76 E 6 bbl/yr	20989, Part A					
	А			S110: 1.40 E 7 bbl/yr						
				S111: 1.31 E 7 bbl/yr						
				S112: 1.49 E 7 bbl/yr						
				S114: 1.31 E 7 bbl/yr						
				S115: 4.38 E 6 bbl/yr						
				S122: 4.38 E 6 bbl/yr						
				S128: 5.1 E 6 bbl/yr						
				S177: 2.63 E 7 bbl/yr						
				S254: 7.01 E 7 bbl/yr						
				S255: 7.01 E 7 bbl/yr						
				S256: 7.01 E 7 bbl/yr						
				S259: 7.01 E 7 bbl/yr						
throughput	BAAQMD	Y		S129: 4.6 E 6 bbl/yr	BAAQMD	P/M	records			
	Condition			S150: 4.38 E 7 bbl/yr	Condition					
	20989, Part			S151: 4.38 E 7 bbl/yr	20989, Part A					
	А			S178: 3.50 E 7 bbl/yr						

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		S123: 5.1 E 6 bbl/yr	BAAQMD	periodic	Records
	Condition				8-5-501.1	initially and	
	22478, Part					upon change	
	5					of service	
Vapor	BAAQMD	Y		S123: ≤ 3.4 psia	BAAQMD	periodic	Records
pressure	Condition				8-5-501.1	initially and	
	22478, Part					upon change	
	1					of service	

Table VII – BB.14Applicable Limits and Compliance Monitoring RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S334 (TANK 107),

NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Type of	Emission		Future	(111)	Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
				5, Organic Compounds - ST						
	-	0				-	UIDS			
VOC		LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS BAAQMD Y Record of liquids stored and BAAQMD periodic								
VOC	8-5-301	Ŷ		true vapor pressure	BAAQMD 8-5-501.1	periodic initially and	Records			
	8-5-501			true vapor pressure	8-3-301.1	upon change				
						of service				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement			
100	8-5-320			standards; includes gasketed	8-5-401.2	1,011	and visual			
				covers			inspection			
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal			
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection			
						seal is				
						replaced				
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal			
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection			
				criteria		seal is				
				~		replaced				
VOC	BAAQMD	Y		Concentration of $< 10,000$	BAAQMD	periodic	Portable			
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon			
				degassing		emptied & degassed	detector			
VOC		Y		Certification reports on tank	BAAQMD	periodic	Reports			
VOC		1		inspections and source tests	8-5-404	after each	Reports			
				inspections and source tests	8-5-405	tank				
						inspection				
						and source				
						test				
VOC		Y		Records of tank seal	BAAQMD	periodic	Records			
				replacement	8-5-501.2	after each				
						tank seal				
						replacement				
VOC		Y		Determination of	BAAQMD	P/E	look-up table			
				applicability	8-5-604		or sample			
							analysis			

Table VII – BB.14Applicable Limits and Compliance Monitoring RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S334 (TANK 107),

NSPS KA - S341 (TANK 208), S342 (TANK 209), S343 (TANK 210)

Type of	Emission		Future	(1 ANK 200), 5542 (1 ANK 2	Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
Linnt	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
				S for Petroleum Storage Vess		(1/0/11)	Турс				
	-	-		8							
	40 CFR 60, Subpart Ka – NSPS for Petroleum Storage Vessels (note 3) 40 CFR 63, Subpart G – SOCMI HON										
	0 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries										
		-		G FOR EXTERNAL FLOAT		NKS					
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual				
	63.640(n)(5)			standards	63.640(n)(5)	initially &	inspection				
	63.646(f)				63.646	each time					
					(a) & (e)	emptied &					
					63.120	degassed					
					(b)(10)						
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement				
	63.640(n)(5)			includes gap criteria	63.640(n)(5)	initially & at	and visual				
	63.646(a)				63.646(a)	5 yr intervals	inspection				
	63.120				63.120						
	(b)(3)&(5)				(b)(1) & (2)						
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement				
	63.640(n)(5)			standards; includes gap	63.640(n)(5)	initially &	and visual				
	63.646(a)			criteria	63.646(a)	annually	inspection				
	63.120				63.120						
	(b)(4)&(6)				(b)(1) & (2)						
	BAAQMD P		T CONDII								
throughput	BAAQMD	Y		S341: 4.38 E 7 bbl/yr	BAAQMD	P/M	Records				
	Condition			S342: 4.38 E 7 bbl/yr	Condition						
	20989, Part			S343: 4.38 E 7 bbl/yr	20989, Part A						
	А										
throughput	BAAQMD	Y		S334: 6.51 E 6 bbl/yr	BAAQMD	periodic	Records				
	Condition				8-5-501.1	initially and					
	22478, Part					upon change					
	-					of service					
	8										
Vapor	BAAQMD	Y		S334: <u><</u> 5.8 psia	BAAQMD	periodic	Records				
pressure	Condition				8-5-501.1	initially and					
	22478, Part					upon change					
	4					of service					

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.15a Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

Limit	T • • •		Future		Monitoring	Monitoring	
	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD R	legulat	ion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	LIMITS AN	D MO	NITORINO	G FOR CVS & CONTROL D	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
	-	legulat	ion 8, Rule	-8 – Organic Compounds –	Wastewater (O	il Water Separ	ators)
VOC	BAAQMD 8-8-302.3		Y	95% collection and destruction of VOC, by weight		Ν	
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per	63.640	(d)(5). Emi	ission point routed to fuel ga	s system.		
	BAAQMD P	ERMI	T CONDIT	TIONS			

Table VII – BB.15a Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (Tank 202), S139 (Tank 204), S140 (Tank 205)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD	Y	Duit	Vapor pressure < 11 psia	BAAQMD	periodic	records
	Condition				8-5-501.1	initially and	
	22518, Part					upon change	
	2					of service	
	BAAQMD	Y		10 E 6 bbl/yr	BAAQMD	P/E	Records
	Condition				8-5-501.1		
	22518, Part						
	3						
The followin	ng applies to S	5139 a	nd S140 onl	У			
throughput	BAAQMD	Ν		S139: 2.74 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S140: 2.74 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	А						

Table VII – BB.15b

Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S182 (Tank 294)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD R	Regulat	ion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	LIMITS AN	D MO	NITORINO	G FOR CVS & CONTROL D	DEVICES		
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
				tank, or at least 0.5 psig			

Table VII – BB.15bApplicable Limits and Compliance Monitoring RequirementsMACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS182 (Tank 294)

	Π			5102 (Talk 274)	1		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
				methane) above background	8-5-503		hydrocarbon
					8-5-605		detector
VOC	BAAQMD	Y		Control device standards;	BAAQMD	not specified	MOP
	8-5-306			includes 95% efficiency	8-5-603.1		Volume IV
				requirement			ST-4
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon
				methane after cleaning		emptied &	detector
						degassed	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per	63.640	(d)(5). Emi	ission point routed to fuel gas	s system.		
	BAAQMD P	ERMI	T CONDI	TIONS			
VOC	BAAQMD	Y		Requirement to vent		Ν	
	Condition			working emissions to fuel			
	13184, Part			gas system			
	1						

Table VII – BB.16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

Limit CitationFE Y/NEffective DateEmission LimitRequirement CitationFrequency (P/C/N)Monitoring TypeBAAQMD LIMITS AND VOCBAAQMD 8-5-301YRecord of liquids stored and true vapor pressureBAAQMD 8-5-501.1BAAQMD or strictly and pressure vacuum valve set pressure of the tank, or at least 0.5 psigBAAQMD 8-5-403RecordsBAAQMD 8-5-403RecordsVOCBAAQMD 8-5-303.1YPressure vacuum valve set pressure of the tank, or at least 0.5 psigBAAQMD 8-5-403P/SAvisual inspectionVOCBAAQMD 8-5-303.2YPressure vacuum valve set pressure vacuum valve must be gas-tight. < 500 pm (as ncharder), includes gasketed 8-5-403BAAQMD 8-5-403P/SAWethod 21 portable hydrocarbon detectorVOCBAAQMD 8-5-321YPressure vacuum valve must be gas-tight. < 500 pm (as includes gasketed s-5-401.2BAAQMD 8-5-401.2P/SA and s-401.1Method 21 portable hydrocarbon detectorVOCBAAQMD 8-5-321YPrimary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and seal is replacedSeal inspectionVOCBAAQMD 8-5-328.1.2YConcentration of < 10,000 pm as methane after degassingBAAQMD exery time a s-5-404Protable hydrocarbon detectorVOCBAAQMD 8-5-328.1.2YConcentration of < 10,000 pm as methane after degassingBAAQMD exery time a s-5-404Protable hydrocarbon detector<	Type of	Emission		Future	5155 (TAIX 175)	Monitoring	Monitoring							
CitationV/NDateEmission LimitCitation(P/C/N)TypeBAAQMDRegulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDSLIMITS ANDURTORING FOR EXTERNAL FLOATING-ROOF TAUKGVOCBAAQMDYRecord of liquids stored and true vapor pressureBAAQMD 8-5-501.1BAAQMD periodicRecordsVOCBAAQMDYPressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psigBAAQMD 8-5-403P/SAvisual inspectionVOCBAAQMDYPressure vacuum valve must standards; includes gasketed coversBAAQMD 8-5-401.1P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure includes gap criteriaBAAQMD 8-5-401.1P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure includes gap criteriaBAAQMD 8-5-401.1P/SA and seal is replacedSeal inspectionVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and seal is replacedSeal inspectionVOCBAAQMDYConcentration of < 10,000 ppm as methane after degassingBAAQMD 8-5-404 8-5-404P/sA and seal is replacedSeal inspectionVOCBAAQMDYCorteritication reports on tank inspection send source testsBAAQMD 8-5-404 8-5-404Periodic after each tank inspection <th></th> <th></th> <th>FF</th> <th></th> <th></th> <th>-</th> <th>_</th> <th>Monitoring</th>			FF			-	_	Monitoring						
BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS VOC BAAQMD 8-5-301 Y Record of liquids stored and true vapor pressure BAAQMD 8-5-501.1 periodic initially and upon change of service Records VOC BAAQMD 8-5-303.1 Y Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig BAAQMD 8-5-403 P/SA visual inspection VOC BAAQMD 8-5-303.2 Y Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background 8-5-605 BAAQMD 8-5-605 P/SA Method 21 portable hydrocarbon detector VOC BAAQMD 8-5-320 Y Floating roof fitting closure standards; includes gap criteria BAAQMD 8-5-401.1 P/SA Meesurement 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 VOC BAAQMD 8-5-328.1.2 Y Concentration of < 10,000 ppm as methane after degassing BAAQMD 8-5-404 8-5-404 P/SA and erpriodic each time emptiod & degassed Protable hydrocarbon detector VOC BAAQMD 8-5-328.1.2 Y	Linnt				Emission Limit	-		_						
LIMITS AND MONTORING FOR EXTERNAL FLOATING-ROOF TANKSVOCBAAQMDYRecord of liquids stored and true vapor pressureBAAQMD 8-5-501.1periodic initially and upon change of serviceRecordsVOCBAAQMDYPressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psigBAAQMDP/SAvisual inspectionVOCBAAQMDYPressure vacuum valve must be gas-tight: < 500 pm (as 8-5-303.2BAAQMDP/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure standards; includes gasketdBAAQMDP/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure includes gas eriteriaBAAQMDP/SAMeesurement and visual inspectionVOCBAAQMDYPrimary rim-seal standards; includes gap criteriaBAAQMDP/SA and seal is replacedVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMDP/SA and seal is replacedVOCBAAQMDYConcentration of <10,000 ppm as methane after degassingBAAQMDperiodic after each after eachPeriodic <b< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></b<>														
VOCBAAQMDYRecord of liquids stored and true vapor pressureBAAQMD 8-5-301.1periodic initially and upon change of serviceRecordsVOCBAAQMDYPressure vacuum valve set pressure of the tank, or at least 0.5 psigBAAQMDP/SAvisual inspectionVOCBAAQMDYPressure vacuum valve must be gas-tight: <500 ppm (as set-s303.2BAAQMDP/SAwisual inspectionVOCBAAQMDYPressure vacuum valve must be gas-tight: <500 ppm (as set-s605BAAQMDP/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYPressure vacuum valve must methane) above background set-s605BAAQMDP/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure standards; includes gasteria includes gap criteriaBAAQMDP/SA and seal is replacedVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMDP/SA and seal is replacedVOCBAAQMDYConcentration of <10,000 ppm as methane after degassingBAAQMDP/SA and seal tank inspectionVOCBAAQMDYConcentration of <10,000 ppm as methane after degassingBAAQMDperiodic after each after each<														
8-5-301true vapor pressure8-5-501.1initially and upon change of serviceVOCBAAQMD 8-5-303.1YPressure vacuum valve set pressure of the tank, or at least 0.5 psigBAAQMD 8-5-403P/SAvisual inspectionVOCBAAQMD 8-5-303.2YPressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background 8-5-503BAAQMD 8-5-403P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMD 8-5-320YPressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background 8-5-655BAAQMD 8-5-503P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMD 8-5-320YFloating roof fitting closure standards; includes gasketed coversBAAQMD 8-5-401.1P/SAMeasurement and visual inspectionVOCBAAQMD 8-5-321YPrimary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and every time a seal is replacedVOCBAAQMD 8-5-322.1YConcentration of < 10,000 ppm as methane after degassingBAAQMD 8-5-503Portable hydrocarbon detectorVOCBAAQMD 8-5-328.1.2YCertification reports on tank inspection and source testsBAAQMD 8-5-404Periodic after each after eachVOCYCertification reports on tank inspections and source				NITORING		1								
VOCBAAQMD 8-5-303.1YPressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psigBAAQMD 8-5-403P/SAvisual inspectionVOCBAAQMD 8-5-303.2YPressure vacuum valve must be gas-tight: < 500 ppm (as methane) above backgroundBAAQMD 8-5-503 8-5-605P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMD 8-5-320YPressure vacuum valve must be gas-tight: < 500 ppm (as methane) above backgroundBAAQMD 8-5-503 8-5-605P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMD 8-5-320YFloating roof fitting closure standards; includes gasketed acoversBAAQMD 8-5-401.1P/SAMeasurement and visual inspectionVOCBAAQMD 8-5-321YPrimary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and seal seal is replacedSeal inspectionVOCBAAQMD 8-5-328.1.2YConcentration of < 10,000 ppm as methane after degassingBAAQMD 8-5-503Portable hydrocarbon detectorVOCYCertification reports on tank inspection and source testsBAAQMD 8-5-404Periodic after each after each 8-5-404Periodic after each tank inspection	VOC	~	Y		^		~	Records						
VOCBAAQMDYPressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psigBAAQMDP/SAvisual inspectionVOCBAAQMDYPressure vacuum valve must be gas-tight: < 500 pm (as methane) above backgroundBAAQMDP/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYPressure of the tank, or at least 0.5 psigBAAQMDP/SAMethod 21 portable s-5-03VOCBAAQMDYPressure vacuum valve must be gas-tight: < 500 pm (as methane) above backgroundBAAQMDP/SAMethod 21 hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure standards; includes gasketed includes gap criteriaBAAQMDP/SA and seal is replacedSealVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMDP/SA and seal is replacedSealVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMDP/SA and seal is replacedSealVOCBAAQMDYConcentration of < 10,000 ppm as methane after degassingBAAQMDPeriodic after each tank inspectionPortable for each time after each tank inspectionVOCVOCYCertification reports on tank inspection and source testsBAAQMD 8-5-404 8-5-405Periodic after each tank inspection		8-5-301			true vapor pressure	8-5-501.1	5							
VOCBAAQMDYPressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psigBAAQMDP/SAvisual inspectionVOCBAAQMDYPressure vacuum valve must be gas-tight: < 500 ppm (as methane) above backgroundBAAQMD 8-5-303P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYPressure vacuum valve must be gas-tight: < 500 ppm (as methane) above backgroundBAAQMD 8-5-605P/SAMethod 21 portable hydrocarbon detectorVOCBAAQMDYFloating roof fitting closure standards; includes gasketed coversBAAQMD 8-5-401.2P/SA and every time a seal is replacedVOCBAAQMDYPrimary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and every time a seal is replacedVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and every time a seal is replacedVOCBAAQMDYConcentration of < 10,000 ppm as methane after degassingBAAQMD 8-5-503Portable hydrocarbon detectorVOCVOCYCertification reports on tank inspections and source testsBAAQMD 8-5-404 8-5-404 8-5-404 8-5-404 8-5-405Periodic after each tank inspection														
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inspections and source tests 8-5-404 after each 8-5-405 tank inspection					~		e e							
8-5-405 tank inspection	VOC		Y			-		reports						
inspection					inspections and source tests									
						0-5-405								
and source							and source							
test														

Table VII – BB.16Applicable Limits and Compliance Monitoring RequirementsMACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS133 (TANK 193)

				5155 (TANK 175)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
	BAAQMD F	Regulat	tion 8, Rule	8 – Organic Compounds – V	Vastewater (Oil V	Vater Separa	tors)
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
				1 2	8-8-603		detector
VOC	BAAQMD	Y		Slop oil tank vessel roof	BAAQMD	periodic	visual
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection
	0-0-505.1					semi-	
						annually	
	40 CFR 63, 5	Subpar	rt G – SOC	MIHON			
		-		SHAPS for Petroleum Refine	eries		
				G FOR EXTERNAL FLOAT		NKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	_
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially &	and visual
	63.120				63.120	at 5 yr	inspection
	(b)(3)&(5)				(b)(1) & (2)	intervals	
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
	BAAQMD F	PERMI	T CONDI	TIONS			
throughput	BAAQMD	Y		8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition 20989		
	20989, Part				Part A		
					I alt A		
	A						

Table VII – BB.17Applicable Limits and Compliance Monitoring RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS340 (TANK 108)

Type of	Emission		Future	5540 (TANK 100)	Monitoring	Monitoring							
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring						
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре						
				5, Organic Compounds - ST									
	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	Records						
						of service							
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	<u>periodic</u> after each tank seal replacement	records						
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis						

Table VII – BB.17Applicable Limits and Compliance Monitoring RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS340 (TANK 108)

Type of	Emission		Future	5540 (IAIK 100)	Monitoring	Monitoring						
		D D			0	0	N					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
	40 CFR 60 S	ubpar	rt Ka – NSP	S for Petroleum Storage Ves	ssels (Note 2)							
	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries											
	40 CFR 63 Subpart G – SOCMI HON											
	LIMITS AN	D MO	NITORIN	G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS						
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual					
	63.640(n)(5)			standards	63.640(n)(5)	initially &	inspection					
	63.646(f)				63.646	each time	_					
					(a) & (e)	emptied &						
					63.120	degassed						
					(b)(10)							
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement					
	63.640(n)(5)			includes gap criteria	63.640(n)(5)	initially & at	and visual					
	63.646(a)				63.646(a)	5 yr intervals	inspection					
	63.120				63.120							
	(b)(3)&(5)				(b)(1) & (2)							
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement					
	63.640(n)(5)			standards; includes gap	63.640(n)(5)	initially &	and visual					
	63.646(a)			criteria	63.646(a)	annually	inspection					
	63.120				63.120							
	(b)(4)&(6)				(b)(1) & (2)							
	BAAQMD PERMIT CONDITIONS											
throughput	BAAQMD	Y		7.67 E 6 bbl/yr	BAAQMD	P/M	Records					
	Condition	1		-	Condition							
		1										
	20989, Part	1			20989, Part A							
	A											

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.

Table VII – BB.18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK

1010)

1	h	r		1010)		· · · · · · · · · · · · · · · · · · ·	i				
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD I	Regula	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS				
	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	<u>periodic</u> after each tank seal replacement	records				
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis				

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

	Π		1	1010)	1		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
The following	ng apply only	to S11	13 (Tank 15	8), S125 (Tank 170)			
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
				tank, or at least 0.5 psig			
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
				methane) above background	8-5-503		hydrocarbon
					8-5-605		detector
The following	ii			8), S125 (Tank 170)			
	40 CFR 63 S	Subpar	t G – SOC	MI HON			
				SHAPS for Petroleum Refine			
		ID MC	DNITORIN	G FOR EXTERNAL FLOAT	FING ROOF T.		
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120 (b)(10)	emptied &	
IIAD	40.CED	V		Dimension and the leader	(b)(10)	degassed	
HAP	40 CFR 63.646(a)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.646(a)	periodic initially & at	measurement
	63.120			menudes gap enteria	63.120	5 yr intervals	and visual inspection
	(b)(3)&(5)				(b)(1) & (2)	5 yr mervais	inspection
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
11/11	63.646(a)	1		standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		p • • • • • • •
	BAAQMD I	PERM	IT CONDI	FIONS		1	1
			r		0	1	r
throughput	BAAQMD	Ν		S113: 1.49 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S125: 1.05 E 7 bbl/yr	Condition		
	20989, Part			S261: 7.01 E 7 bbl/yr	20989, Part A		
	A			<u></u> , <u>_</u> , <u></u>			
throughput	BAAQMD	Y		S183: 4.38 E 5 bbl/yr	BAAQMD	P/M	records
unougnput	Condition	1		-	Condition	1 / 191	1000103
				S184: 4.38 E 6 bbl/yr			
	20989, Part				20989, Part A		
	А						

Table VII – BB.19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695)

1	h		1	5210 (TANK 095)	1	1	1
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD I	Regula	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	LIMITS AN	ID MO	NITORINO	G FOR EXTERNAL FLOAT	TING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
VOC	8-5-320	I		standards; includes gasketed	8-5-401.2	P/SA	and visual
	0-5-520			covers	0-3-401.2		inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	_
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
voc	8-5-328.1.2	1		ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports
				inspections and source tests	8-5-404	after each	
					8-5-405	tank	
						inspection and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
				replacement	8-5-501.2	after each	
				<u>^</u>		tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
L	u	1		1	l	1	

Table VII – BB.19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695)

	1			5210(1AKK 0))	1		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	40 CFR 63,	Subpar	rt G – SOC	MI HON			
	40 CFR 63,	Subpar	rt CC – NE	SHAPS for Petroleum Refine	eries		
	LIMITS AN	D MO	NITORIN	G FOR EXTERNAL FLOAT	FING ROOF T A	ANKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
	(b)(3)&(5)				(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
	BAAQMD I	PERMI	T CONDI	TIONS			
throughput	BAAQMD	N		4.6 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	А						

Table VII – BB.20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS SIL24 (Thurse 104)

S134 (TANK 194)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	LIMITS AN	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS									
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records				
	8-5-301			true vapor pressure	8-5-501.1	initially and					
						upon change					
						of service					
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual				
	8-5-303.1			pressure within 10% of	8-5-403		inspection				
				maximum allowable							
				working pressure of the							
				tank, or at least 0.5 psig		- (~)					
VOC	BAAQMD	Y		Pressure vacuum valve must		<u>P/SA</u>	Method 21				
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable				
				methane) above background			hydrocarbon				
	DA LONG				8-5-605	D/C A	detector				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement				
	8-5-320			standards; includes gasketed	8-5-401.2		and visual				
VOC	DAAOMD	Y		covers		P/SA and	inspection Seal				
VOC	BAAQMD	Ŷ		Primary rim-seal standards;	BAAQMD						
	8-5-321			includes gap criteria	8-5-401.1	every time a seal is	inspection				
						replaced					
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal				
voc	8-5-322	I		standards; includes gap	8-5-401.1	every time a	inspection				
	8-5-522			criteria	0-5-401.1	seal is	inspection				
				ernerna		replaced					
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable				
,	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon				
				degassing		emptied &	detector				
				0		degassed					
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports				
				inspections and source tests	8-5-404	after each	*				
				•	8-5-405	tank					
						inspection					
						and source					
						test					

Table VII – BB.20Applicable Limits and Compliance Monitoring RequirementsMACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS\$\$134 (TANK 194)

LimitLimitFEEffective EffectiveRequirementRequirement CitationFrequency (P/CN)Monitoring TypeVOCYDateEmission LimitRequirementFrequency (P/CN)Monitoring TypeVOCYPRecords of tank seal replacementBAAQMDPeriodic after each tank seal replacementrecordsVOCYDetermination of applicabilityBAAQMDP/Elook-up table or sample analysisVOCBAAQMDYDetermination of applicabilityBAAQMDNPortiable hydrocarbonVOCBAAQMDYVapor tight gauging and s-s-003BAAQMDNPortiable hydrocarbonVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMDNPortiable hydrocarbonVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMDNPortiable hydrocarbon40 CFR 63, Subpart C - SOCMI HON 40 CFR 63, Subpart C - SOCMI HON 63.646(n)GCFR 63, Subpart C - SOCMI HON do CFR 63, Subpart C - SOCMI HON do (D(10)40 CFR 63.646(n)Visual initially & annuallymeasurement 63.646(n) 63.120 (b)(1) & (2)measurement and visual inspection (b)(1) & (2)measurement 63.646(n) 63.120 (b)(1) & (2)measurement and visual inspection (b)(1) & (2)measurement and visual inspection (b)(1) & (2)masurement and visual <th>Type of</th> <th>Emission</th> <th></th> <th>Future</th> <th></th> <th>Monitoring</th> <th>Monitoring</th> <th></th>	Type of	Emission		Future		Monitoring	Monitoring				
CitationV/NDateEmission LimitCitation(P/C/N)TypeVOCYYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each 			FF			U	U	Monitoring			
VOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisVOCBAAQMDYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisVOCBAAQMDYVapor tight gauging and sampling devicesBAAQMD 8-8-504NPortable hydrocarbon detectorVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable hydrocarbon detectorVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable initially & semi- annually40 CFR 63, Subpart G - SOCMI HON 40 CFR 63, Subpart CC - NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSvisual inspection 63.646(i)visual inspection 63.646(i)HAP40 CFR 63.646(i)YDeck fitting closure includes gap criteria40 CFR 63.646(a) 63.120 (b)(1) & (2)periodic periodic (b)(1) & (2)visual inspection and visual inspection 63.646(a) 63.120 (b)(1) & (2)measurement and visual inspection (b)(1) & (2)measurement and visual inspection (b)(1) & (2)measurement and visual inspection (b)(1) & (2)HAP40 CFR 63.646(a) 63.120 (b)(3)&(5)YSecondary rim-seal standards; (63.646(a) (63.120 (63.120) <th>Linnt</th> <th></th> <th></th> <th></th> <th>T</th> <th>-</th> <th></th> <th>_</th>	Linnt				T	-		_			
VOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisVOCBAAQMDYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisVOCBAAQMDYVapor tight gauging and sampling devicesBAAQMD 8-8-603NPortable hydrocarbon detectorVOCBAAQMDYVapor tight gauging and sampling devicesBAAQMD 8-8-603NPortable hydrocarbon detectorVOCBAAQMDYSlop oil tank vessel roof criteria, includes gap criteriaBAAQMD 8-8-305.1NPortable initially & semi- annually40 CFR 63, Subpart G - SOCMI HON 40 CFR 63, Subpart C - NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSvisual inspection 63.646(i) (a) & (e) (b)(1) & (2)visual inspection (b)(1) & (2)initially & measurement and visual inspection (b)(1) & (2)measurement and visual inspectionHAP40 CFRYPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a) (a) & (e) (b)(1) & (2)measurement and visual inspection (b)(1) & (2)measurement and visual inspectionHAP40 CFRYSecondary rim-seal criteria, includes gap criteria92(64(a) (63.646(a) (63.120) (b)(1) & (2)measurement and visual inspectionHAP40 CFRYSecondary rim-seal criteria93(64(a) (63.120) (b)(1) & (2)measurement and visual inspection <td< th=""><th>NOC</th><th>Citation</th><th></th><th>Date</th><th></th><th></th><th></th><th></th></td<>	NOC	Citation		Date							
VOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisWOCBAAQMD 8-8-303YVapor tight gauging and sampling devicesBAAQMD 8-8-504NP/Elook-up table or sample analysisVOCBAAQMD 8-8-303YVapor tight gauging and sampling devicesBAAQMD 8-8-504NPortable hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable hydrocarbon detectorWOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NNHAP40 CFR 63, Subpart G - SOCMI HON 40 CFR 63, Subpart CC - NESHAPS for Petroleum Refineries LIMITS AND MONTORING FOR EXTERNAL FLOATING ROOF TANKSvisual inspection 63.20 (b)(10)wisual inspectionHAP40 CFR 63.646(a)YDeck fitting closure standards40 CFR 63.646(a)measurement fo3.120 (b)(10)measurement dot (a) fo3.120measurement and visual fo3.120 (b)(10)measurement dot (b)HAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement fo3.120 (b)(10)measurement dot stand fo3.120 (b)(10)and visual inspection </td <td>VOC</td> <td></td> <td>Ŷ</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>records</td>	VOC		Ŷ			-	-	records			
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VOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisBAAQMD Regulation 8, Rule 8 - Organic Compounds - Wastewater (OI Water Separators)VOCBAAQMD 8-8-303YVapor tight gauging and sampling devicesBAAQMD 8-8-504NPortable hydrocarbon detectorVOCBAAQMD 8-8-303.1YVapor tight gauging and sampling devicesBAAQMD 8-8-603NPortable hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable inspection40 CFR 63, Subpart G - SOCMI HON 40 CFR 63, Subpart CC - NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSvisual inspection empied & (b)(10)visual inspectionHAP40 CFR 63.646(r)YDeck fitting closure includes gap criteria40 CFR 63.646(a) (b)(10)visual inspectionvisual inspectionHAP40 CFR 63.646(a)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement and visual inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.120 (b)(1) & (2)measurement and visual inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.120 (b)(1) & (2)measurement and visual inspectionHAP40 CFR 63.646(a)YSecondary ri											
BAAQMD Regulation 8, Rule 8 - Organic Compounds - Wastewater (Oil Water Separators)VOCBAAQMDYVapor tight gauging and sampling devicesBAAQMD 8-8-504NPortable hydrocarbon detectorVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable hydrocarbon detectorVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable hydrocarbon detector40 CFR 63, Subpart G - SOCMI HON 40 CFR 63, Subpart CC - NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSHAP40 CFR 63.646(r)YDeck fitting closure standards40 CFR 63.646 (a) & (b)(1)& (b)(3)&(5)visual inspection (b)(3)&(5)HAP40 CFR 63.646(a) (b)(3)&(5)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a) (b)(1)& (2)measurement and visual for antially & at (b)(1)& (2)HAP40 CFR 63.646(a) (b)(3)&(5)YSecondary rim-seal (b)(1)& (2)Measurement (b)(1)& (2)HAP40 CFR 63.646(a) (b)(4)&(6)YSecondary rim-seal (b)(1)& (2)5 yr intervals (b)(1)& (2)HAP40 CFR 63.646(a) (b)(4)&(6)YSecondary rim-seal (b)(1)& (2)Sintervals (b)(1)& (2)HAP40 CFR 63.646(a) (b)(4)&(6)YSecondary rim-seal (b)(4)&(6)Secondary rim-seal (b)(1)& (2)Sintervals (condition (b)(4)&(6)measurement (and visual (b)(1)& (2)	VOC		Y		Determination of	BAAOMD	<u>^</u>	look-up table			
AnalysisanalysisBAAQMD Regulation 8, Rule 8 – Organic Compounds – Wastewater (Oil Water Separators)VOCBAAQMDYVapor tight gauging and sampling devicesBAAQMD 8-8-303NPortable hydrocarbon detectorVOCBAAQMDYSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1Periodic initially & initially & inspection semi- annually40 CFR 63, Subpart G – SOCMI HON 40 CFR 63, Subpart C – NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSwisual inspection (a) & (e) (b)(10)visual inspection (a) & (b)(10)visual inspection (a) & (b)(10)wisual inspection (b)(10)HAP40 CFR (G3.646(n)YDeck fitting closure standards40 CFR (G3.120 (b)(10)measurement (G3.120 (b)(1) & (2))measurement (G3.646(a) (G).120 (b)(1) & (2))measurement (G3.646(a) (G).120 (b)(1) & (2))measurement (G3.646(a) (G).120 (b)(1) & (2))HAP40 CFR (G3.646(a) (G).120 (b)(3) & (2)YSecondary rim-seal standards; includes gap criteria40 CFR (G3.646(a) (G).120 (b)(1) & (2)measurement (G3.646(a) (G).120 (b)(1) & (2)measurement (G3.646(a) (G).120 (b)(1) & (2)HAP40 CFR (G3.646(a) (G).120YSecondary rim-seal standards; includes gap c	100						1,12	·			
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		Condition				Condition					
		20989, Part				20989, Part A					

Table VII – BB.21

Applicable Limits and Compliance Monitoring Requirements

EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266

	(TANK IJ	43), (5407 (IA	NK 1340), 3260 (F3), 3	5207 (F10),	5295 (1003)			
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	8-5-11	7. Low vap	or pressure						
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure			
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination			
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material			
	20773, Part 1				20773, Part 2		change			
	40 CFR 63,	Subpai	rt CC – NE	SHAP for Petroleum Refiner	ies					
	MONITOR	ING FO	OR RECO	RDKEEPING ONLY						
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records			
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and				
				for Group 2 determination.	(iv)	upon change				
						in service				

(TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (F805)

Table VII – BB.22Applicable Limits and Compliance Monitoring RequirementsEXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS\$158 (TANK 258), \$175 (TANK 284)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	Exempt per 8-5-117. Low vapor pressure								
POC	BAAQMD 8-5-117 &	Y		Exemption from Regulation 8-5 when true vapor pressure is less	BAAQMD 2-6-409.2 &	P/E	Vapor pressure determination			
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material			
	20773, Part 1				20773, Part 2		change			
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries									
	Exempt per	63.640	(d)(5). Emi	ission point routed to fuel ga	s system.					

Table VII – BB.23A

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING ⁺ BUT WITH GROUP I MACT FLEXIBILITY

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	8-5-11	7. Low vap	or pressure						
POC	BAAQMD 8-5-117 &	Y		Exemption from Regulation 8-5 when true vapor pressure is less	BAAQMD 2-6-409.2 &	P/E	Vapor pressure determination			
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material			
	20773, Part 1				20773, Part 2		change			
	40 CFR 63, Subpart CC – NESHAP for Petroleum Refineries									
	MONITOR	ING F	OR RECOR	RDKEEPING ONLY						

⁺ Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8, Rule 5 requirements for zero-gap secondary seals.

Table VII – BB.23AApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING *BUT WITH GROUP I MACT FLEXIBILITYS108 (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									
НАР	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1) (iv)	periodic initially and upon change in service	Records			

Table VII – BB.23B

Applicable Limits and Compliance Monitoring Requirements

EXEMPT EXTERNAL FLOATING ROOF TANKS

SUBJECT TO MACT RECORDREEPING⁺

BUT WITH GROUP I MACT FLEXIBILITY

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Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре		
	BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS								
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records		
	8-5-301			true vapor pressure	8-5-501.1	initially and			
						upon change			
						of service			
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement		
	8-5-320			standards; includes gasketed	8-5-401.2		and visual		
				covers			inspection		

⁺ Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8, Rule 5 requirements for zero-gap secondary seals.

Table VII – BB.23BApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING *BUT WITH GROUP I MACT FLEXIBILITYS108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Limit CitationFE VNEffective DateRequirement Emission LimitFrequency CitationMonitoring TypeVOCBAAQMDYPrimary rim-seal standards; includes gap criteriaBAAQMD s-5-401.1P/SA and seal is replacedSeal inspectionVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMD s-5-401.1P/SA and seal is replacedSealVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMD s-5-401.1P/SA and seal is replacedSealVOCBAAQMDYConcentration of < 10,000 ppm as methane after degassingBAAQMD s-5-503Portable hydrocarbon detectorVOCYConcentration reports on tank inspections and source testsBAAQMD s-5-404Bereaction after each tank inspection and source testVOCYRecords of tank seal replacementBAAQMD s-5-503Records tank tank inspection and source testVOCYRecords of tank seal replacementBAAQMD s-5-604P/E took-up table tank seal replacementVOCYDetermination of applicabilityBAAQMD s-5-604P/E took-up table tank seal replacementVOCYDetermination of applicabilityBAAQMD s-5-604P/E took-up table tank seal replacementVOCYDetermination of applicabilityBAAQMD s-5-604P/E took-up table table table table table table table table<	Type of	Emission		Future		Monitoring	Monitoring	
VOCBAAQMD 8-5-321YPrimary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and every time a seal is replacedVOCBAAQMD 8-5-322YSecondary rim-seal standards; includes gap criteriaBAAQMD 8-5-401.1P/SA and every time a inspectionVOCBAAQMD 8-5-328.1.2YSecondary rim-seal standards; includes gap criteriaBAAQMD 8-5-308P/SA and every time a inspectionVOCBAAQMD 8-5-328.1.2YConcentration of < 10,000 ppm as methane after degassingBAAQMD 8-5-503Periodic degassedPortable emptied & detector detector detectorVOCYCertification reports on tank inspections and source testsBAAQMD 8-5-405Periodic tank inspection and source testReports after each tank inspection and source testVOCYRecords of tank seal replacementBAAQMD 8-5-404 8-5-405P/E tank inspection and source testRecords after each tank seal and source testVOCYDetermination of applicabilityBAAQMD 8-5-604P/E took-up table or sample analysisVOCYDetermination of applicabilityBAAQMD 8-5-604P/E took-up table or sample analysisVOCYDetermination of applicabilityBAAQMD 8-5-604P/E took-up table or sample analysisHAP40 CFR G3 Subpart CC - NESHAPS for Petroleum Refineries LIMITS AND MONTORING FOR EXTERNAL FLOATING ROOF TAIKSVisual inspection	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
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VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria BAAQMD P/SA and seal is replaced Seal inspection VOC BAAQMD Y Concentration of < 10,000 ppm as methane after degassing BAAQMD periodic each time emptied & degassed Portable hydrocarbon detector VOC Y Concentration of < 10,000 ppm as methane after degassing BAAQMD periodic each time emptied & detector Portable hydrocarbon detector VOC Y Certification reports on tank inspections and source tests BAAQMD periodic tank inspection and source Reports VOC Y Records of tank seal replacement BAAQMD periodic tank s-5-404 Records VOC Y Determination of applicability BAAQMD P//E look-up table or sample analysis VOC Y Determination of applicability BAAQMD P//E look-up table or sample analysis 40 CFR 63 Subpart G - SOCMI HON 40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS Iook-up table (a) 40 CFR visual inspection HAP 40 CFR Y Deck fitting closure standards 40 CFR periodic altareach tank seal replacement	VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
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40 CFR 63 Subpart CC – NESHAPS for Petroleum RefineriesLIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSHAP40 CFRYDeck fitting closure standards40 CFRperiodic initially & inspectionvisual inspectionHAP40 CFRYDeck fitting closure standards63.646initially & inspectionvisual inspectionHAP40 CFRYDeck fitting closure standards63.646initially & inspectioninspectionHAP40 CFRYPrimary rim-seal standards;40 CFRperiodic periodicmeasurement								analysis
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HAP 40 CFR Y Primary rim-seal standards; 40 CFR periodic measurement							<u>^</u>	
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(b)(3)&(5) (b)(1) & (2)							5 ji morvals	mspection

Table VII – BB.23BApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING *BUT WITH GROUP I MACT FLEXIBILITYS108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		

Table VII – BB.24

Applicable Limits and Compliance Monitoring Requirements NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S90 (TANK 67), S105 (TANK 129)

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per 8	8-5-11	7. Low vap	or pressure						
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure			
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination			
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material			
	20773, Part 1				20773, Part 2		change			
	40 CFR 60, S	ubpai	rt K – NSPS	S for Petroleum Storage Vess	sels ¹					
	40 CFR 63, S	ubpai	rt CC – NE	SHAP for Petroleum Refiner	ies					
	MONITORIN	NG FO	OR RECOR	RDKEEPING ONLY						
HAP		Y		Retain weight percent total	63.654(i)(1)	periodic	Records			
	63.640(n)(7)			organic HAP in stored liquid	(iv)	initially and				
	63.641			for Group 2 determination.		upon change				
						in service				

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).

Table VII – BB.25Applicable Limits and Compliance Monitoring RequirementsEXEMPT BUTANE SPHERES

Type of	Emission		Future	TANK 501), 5170 (TA	Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
Linnt	Citation	Y/N	Date	Emission Limit	Citation		U				
						(P/C/N)	Туре				
	-	0		5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS				
	LIMITS AND MONITORING FOR PRESSURE TANKS										
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records				
	8-5-301			true vapor pressure	8-5-501.1	initially and					
						upon change					
NOC	DA LOND	17		D 1 (of service	· 1				
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set	BAAQMD 8-5-403	P/SA	visual				
	8-3-303.1			pressure within 10% of maximum allowable	8-3-403		inspection				
				working pressure of the							
				tank, or at least 0.5 psig							
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21				
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable				
				methane) above background	8-5-503		hydrocarbon				
					8-5-605		detector				
VOC	BAAQMD	Y		Pressure tank must be gas	BAAQMD	not specified	Method 21				
	8-5-307			tight: < 100 ppm (as	8-5-503		portable				
				methane) above background	8-5-605		hydrocarbon				
							detector				
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable				
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon				
				methane after cleaning		emptied &	detector				
VOC		Y		Determination of	BAAQMD	degassed P/E	look-up table				
VOC		r		applicability	8-5-604	r/E	or sample				
				applicating	0.5.001		analysis				
NONE	40 CER 63	Suhnai	rt CC – NF	SHAPS for Petroleum Refine	eries	l	anarysis				
110112	<u>NONE</u> 40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries										
The fellows	Exempt per 63.640(d)(5). Emission point routed to fuel gas system The following applies to S188 only										
			•	STLADE for Dotroloury D. C.	!						
<u>NONE</u>		-		SHAPS for Petroleum Refine		2040 h.Do	l without				
				essure vessel designed to open	rate in excess of	204.9 KPa and	i without				
	emissions to	the at	mosphere.								

S188 (TANK 300), S189 (TANK 301), S190 (TANK 302), S253 (TANK 833)

Table VII – BB.27Applicable Limits and Compliance Monitoring RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235. TANK 236

	1	I		1 ANK 255, 1 ANK 250			-			
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
	BAAQMD R	egulat	ion 8, Rule	5 - Organic Compounds - S	FORAGE OF C	RGANIC LIQ	UIDS			
	Exempt per 8	8-5-11	7. Low vap	or pressure						
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure			
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination			
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material			
	20773, Part 1				20773, Part 2		change			
NONE	40 CFR 63, S	ubpar	t CC – NE	SHAPS for Petroleum Refine	eries					
	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									
	RECORDKE	EPIN	G ONLY							
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record			
pressure	60.110b(c)			than 3.5 kPa.	60.116b(b)					
NSPS	60 Subpart Q	QQ -	VOC Emis	ssions from Petroleum Refine	ery Wastewater	Systems				
QQQ										
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual			
	60.692-3(a)				60.692-3(a)(4)	initially and semi-annually	inspection			
VOC		Y		Problems identified during	40 CFR	periodic	Records			
				60.692-3(a) inspections that	60.697(c)	when problem				
				could result in VOC		is identified				
				emissions						
VOC		Y		Problems identified during	40 CFR	periodic	Report			
				60.692-3(a) inspections that	60.698(c)	initially and				
				could result in VOC		semi-annually				
				emissions						

Table VII – BB.28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD R	egulat	ion 8, Rule	5 - Organic Compounds - ST	FORAGE OF C	ORGANIC LIQ	UIDS
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
NONE	40 CFR 63 Su	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	NO MONITO	RIN	G REQUIR	EMENTS FOR GROUP 2 V	VASTEWATEI	R SOURCES	
	40 CFR 60 Su	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	t Petroleum Rei	fineries	
	RECORDKE	EPIN	G ONLY				
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	60.110b(c)			than 3.5 kPa.	60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification
pressure				kPa).	60.116b(d)	within 30 days	
						of exceedance	
	40 CFR 60, S	ubpar	rt QQQ – V	OC Emissions from Petroleu	im Refinery Wa	astewater Syste	ems
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual
	60.692-3(a)				60.692-3(a)(4)	initially and	inspection
						semi-annually	
VOC		Y		Problems identified during	40 CFR	periodic	Records
				60.692-3(a) inspections that	60.697(c)	when problem	
				could result in VOC		is identified	
				emissions			
VOC		Y		Problems identified during	40 CFR	periodic	Report
				60.692-3(a) inspections that	60.698(c)	initially and	
				could result in VOC		semi-annually	
				emissions			

Table VII – BB.29 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK

TANK 224

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD Re	egulat	ion 8, Rule	5 - Organic Compounds - ST	FORAGE OF (ORGANIC LIQ	UIDS
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
	40 CFR 60, S	ubpar	t Kb - NSP	S for VOL Storage Vessels a	t Petroleum Re	efineries	
	40 CFR 63, S	ubpar	rt CC – Nat	ional Emission Standards for	r Hazardous Ai	ir Pollutants for	· Petroleum
	Refineries						
	RECORDKE	EPIN	G ONLY				
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	63.640(n)(1)			than 3.5 kPa.	63.640(n)(8)		
	60.110b(c)				60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification
pressure				kPa).	60.116b(d)	within 30 days	
						of exceedance	

Table VII – BB.30Applicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKSTANK 206, TANK 207

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD R	egulat	tion 8, Rule	5 - Organic Compounds - S	FORAGE OF C	RGANIC LIC	QUIDS
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	BAAQMD 8-5-117 &	Y		Exemption from Regulation 8-5 when true vapor pressure is less	BAAQMD 2-6-409.2 &	P/E	Vapor pressure determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
	63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES						

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD	Y		Ringelmann No. 1 for	None	Ν	None
	Regulation			no more than 3			
	6-301			minutes/hour			
FP	BAAQMD	Y		0.15 grain/dscf	None	Ν	None
	6-310						
	BAAQMD	Y		40 lb/hr	None	Ν	None
	6-311						
PM				None	BAAQMD	P/M	Analysis total
					Condition		dissolved
					22121, part 4		solids
Organic	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/D	Visual
com-	8-2-301			and 15 lb organic	Condition		inspection
pounds				compounds/day	22121, part 1		
Organic	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/3 times	Analysis of
com-	8-2-301			and 15 lb organic	Condition	per week	chlorine
pounds				compounds/day	22121, part 2		content
	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/E, after 4	Estimate of
	8-2-301			and 15 lb organic	Condition	weeks of	daily VOC loss
				compounds/day	22121, part 6	indication of	
						hydrocarbon	
						leak	
	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/M	VOC analysis
	8-2-301			and 15 lb organic	Condition		
				compounds/day	22121, part 2		
Chloro-				None	BAAQMD	P/M	Records of
form					Condition		NaOCl usage
					22121, part 3		

Table VII – CC.1Applicable Limits and Compliance Monitoring Requirements\$452, \$453, \$455, \$457, \$458, \$500, COOLING TOWERS

	S456, COOLING TOWER						
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None	N	None
РМ				None	BAAQMD Condition 22122, part 2	P/M	Analysis total dissolved solids
Organic com- pounds	BAAQMD 8-2-301	Y		300 ppm as carbon and 15 lb organic compounds/day	BAAQMD Condition 22122, part 1	P/D	Visual inspection
				None	BAAQMD Condition 22122, part 4	P/E, after 4 weeks of indication of hydrocarbon leak	Estimate of daily VOC loss

Table VII – CC.2Applicable Limits and Compliance Monitoring RequirementsS456, COOLING TOWER

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.

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD		
Regulations		
6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible
		Emissions; EPA Method 9
6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
		U.S. EPA Method 5
6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
		U.S. EPA Method 5
8-2-301	VOC Emission Limit for	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Miscellaneous Operations	25A
8-5-301	Tank Emission Control System	Manual of Procedures, Volume IV, ST-4
	Requirements, 95% Abatement	
	Efficiency	
8-5-303.2	Gas Tight Requirements for	Organic compounds shall be measured using a portable gas
8-5-306, and	Organic Liquid Storage Tanks	detector as prescribed in EPA Reference Method 21 (60,
8-5-307		Appendix A)
8-5-320	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-320 when
	external) tank fitting gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-321	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-321 when
	external) primary rim seal gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-322	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-322 when
	external) secondary rim seal gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-328.1.2	Tank Degassing Emission	Manual of Procedures, Volume IV, ST-7
	Control System Requirements	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-7-301	Phase I Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor
	Requirements	Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing
		Facility Phase I Volumetric Efficiency
8-7-302	Phase II Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Vapor Tightness; ST-
	Requirements	37, Liquid Removal; and ST-41, Liquid Retain and Spitting from
		Nozzles
8-8-302.3	Oil-Water Separator Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-307.2	Air Flotation Unit Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	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	Samples of wastewater shall be taken at the influent stream for
	OCs	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,	Determination of Emissions	Emissions of POCs, as specified in Sections 8-8-301.3, 8-8-302.3,
8-8-301.3,		8-8-304, 8-8-305.2, 8-8-306.2, and 8-8-307.2 shall be measured
8-8-302.3,		by as prescribed by any of the following methods: 1). BAAQMD
8-8-304,		MOP, Volume IV, ST-7 or; 2). EPA Method 25 or 25(A).
8-8-305.2,		
8-8-306.2, and		
8-8-307.2		
8-8-603,	Inspection Procedures	For the purposes of 8-8-301, 302, 303, and 304, leaks shall be
8-8-301,		measured using a portable gas detector as prescribed in EPA
8-8-302,		Reference Method 21 (60, Appendix A)
8-8-303, and		
8-8-304		
8-18	Fugitive Emission Monitoring	EPA Method 21
	Requirements	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-44-304.1	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
	during marine tank vessel	Vapor Recovery Units or
	loading	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	EPA Method 21, Determination of Volatile Organic Compounds
	tight	Leaks
8-44-603	Leak Tests and Gas Tight	EPA Method 21, Determination of Volatile Organic Compounds
	Determinations	Leaks
8-44-604	Flash Point Determinations	ASTM Standard Test Method D56 ("Standard Test Method for
		Flash Point by Tag Closed Cup Tester") or ASTM Standard Test
		Method D93 ("Standard Test Methods for Flash Point by Pensky-
		Martens Closed Cup Tester"), whichever is applicable, or by an
		alternate method approved in writing by the APCO and U.S. EPA.
SIP		
Regulations		
8-44-301.1	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
8-44-301.2	during marine tank vessel	Vapor Recovery Units
	loading	
8-44-303	Tank vessel is leak free and gas	EPA Method 21, Determination of Volatile Organic Compounds
	tight	Leaks
8-44-603	Leak Tests and Gas Tight	EPA Method 21, Determination of Volatile Organic Compounds
	Determinations	Leaks
BAAQMD		
Regulations		
9-1-301,	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-2-301,	-	
9-1-604		
9-1-501,	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring
9-1-502,	-	
9-2-501		

Т	al	ble	V	III
Те	st	Me	eth	ods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
9-1-313	NH3 and H2S abatement	Manual of Procedures, Volume III, Lab 32, Determination of H2S
	efficiency	in Process Water Streams
		Manual of Procedures, Volume III, Lab 1, Determination of NH3
		in Effluents
9-9-301.3	Emission Limits: Turbines Rated	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen,
	> 10 MW with SCR	Continuous Sampling and
		ST-14, Oxygen, Continuous Sampling
9-10-301	Refinery-Wide NO _x Emission	Manual of Procedures, Volume V and Manual of Procedures,
	Limit	Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-303.1	NO _x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures,
		Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-305	CO Emission Limit	Manual of Procedures, Volume V and Manual of Procedures,
		Volume IV, ST-6 (carbon monoxide) for CEM verification by
		source test
40 CFR 60,	New Source Performance	
Subpart A	Standards – General	
	Provisions (12/23/71)	
60.18(c)(1)	Visible emission monitoring	EPA Method 22: Visible Emissions
40 CFR 60,	Standards of Performance for	
Subpart Db	Industrial-Commercial-	
	Institutional Steam Generating	
	Units (3/13/00)	
60.44b(a)	NO _x Emission Limit	40 CFR 60, Appendix B, Performance Specification 2
60.44b(e)		
40 CFR 60,	Standards of Performance for	
Subpart J	Petroleum Refineries (7/1/00)	
60.104(a)(1)	Fuel Gas H2S Concentration	60 Appendix B, Performance Specification 7 and Method 11 for
	Limit	Relative Accuracy
60.106(f)(3)	H2S concentration monitoring	EPA Method 3: O2
60.106(f)(1)	SO2 concentration monitoring	EPA Method 6: SO2
60.106(e)	H2S concentration monitoring	EPA Method 11: H2S
60.106(f)(2)	TRS concentration monitoring	EPA Method 15: Total Reduced Sulfur

Table VIII
Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60,	Standards of Performance for	-
Subpart Kb	Volatile Organic Liquid	
	Storage Vessels	
60.112b	NSPS Subpart Kb Closed Vent	40 CFR 60, Appendix A, Method 21 as specified in 40 CFR 60,
(a)(3)(i)	System – leak detection	Subpart VV 60.485(b)
60.112b	NSPS Subpart Kb Closed Vent	40 CFR 60, Subpart Kb 60.113b(c) Testing and Procedures
(a)(3)(ii)	System Performance (95%	
	efficiency)	
60.113b	NSPS Subpart Kb External	40 CFR 60, Subpart Kb 60.113b(b)(1) through 60.113b(b)(3)
(b)(4)(i)	Floating Roof Tank primary rim	Testing and Procedures
	seal gap measurement	
60.113b	NSPS Subpart Kb External	40 CFR 60, Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
(b)(4)(ii)	Floating Roof Tank secondary	Testing and Procedules
	rim seal gap measurement	
40 CFR 60,	Standards of Performance for	
Subpart GG	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

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60,	Standards of Performance for	
Subpart VV	Equipment Leaks of VOC in	
	SOCMI	
60.482-2(b)(1)	Pumps in light liquid service –	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	leak detection	VV 60.485(b)
60.482-2(e)	Pumps in light liquid service and	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	designated for "no detectable	VV 60.485(c)
	emission" - leak detection	
60.482-3	Compressors designated for "no	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	detectable emission" - leak	VV 60.485(c)
	detection	
60.482-4(b)	Pressure relief valve (gas/vapor)	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	no detectable emissions after a	VV 60.485(c)
	pressure release event.	
60.482-7(b)	Valves in gas/vapor service and	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	in light liquid service – leak	VV 60.485(b)
	detection.	
60.482-7(f)	Valves in gas/vapor service and	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	in light liquid service and	VV 60.485(c)
	designated for "no detectable	
	emission" - leak detection	
60.482-7(h)	Valves in gas/vapor service and	40 CFR 60, Appendix A, Method 21 once per year in accordance
	in light liquid service and	with written plan $(60.482-7(h)(3)$
	designated as difficult-to-	
	monitor.	
60.482-8(b)	Pumps and valves in heavy	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	liquid service, pressure relief	VV 60.485(b)
	devices (liquid), and flanges and	
	other connectors - leak detection	
60.483-2	Individual valves meeting	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	criteria for skip period leak	VV 60.485(b)
	detection – leak detection	
40 CFR 60,	Standards of Performance For	
Subpart	Petroleum Refinery	
QQQ	Wastewater Systems	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
60.696	Performance test methods and	Sources equipped with a closed-vent system and control device
	procedures and compliance	shall use EPA Method 21 to measure the emission concentrations,
	provisions	using 500 ppm as the no detectable emission limit. Acceptable
		seal gap criteria also included.
60.696	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A),
		Determination of Volatile Organic Compound Leaks
40 CFR 63,	National Emissions Standards	
Subpart CC	for Hazardous Air Pollutants	
	from Petroleum Refineries –	
	General Standards	
63.646(a)	Refinery MACT (63	40 CFR 63, Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
63.120(b)(3)	Subpart CC) Group 1 external	to Determine Compliance
63.120(b)(5)	floating roof tanks primary rim-	
	seal gap measurement	
63.646(a)	Refinery MACT (63	40 CFR 63, Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
63.120(b)(4)	Subpart CC) Group 1 external	to Determine Compliance
63.120(b)(6)	floating roof tanks secondary	
	rim-seal gap measurement	
California		
Air		
Resources		
Board		
(CARB)		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torque
Condition	test	Test"
18680, Part 2		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1C: "Drop Tube/Drain Valve
Condition	test	Assembly"
18680, Part 2		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1D: "Drop Tube Overfill
Condition	test	Prevention Device and Spill Container Drain Valve Leak Test"
18680, Part 2		
BAAQMD		
Conditions		
Condition	Leak test	EPA Method 21, Determination of Volatile Organic Compounds
4336, part 4		Leaks

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
Condition	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
4336, part 9	during barge loading	Vapor Recovery Units or
		EPA Method 25, Determination of Total Gaseous Nonmethane
		Organic Emissions, or
		EPA Method 25A, Determination of Total Gaseous Organic
		Concentration Using a Flame Ionization Analyzer, or
		alternate method approved in writing by the APCO and U.S. EPA
Condition	Alternative monitoring for	ASTM Method 4913-00, Standard Practice for Determining
4336, part 11	compliance with 40 CFR	Concentration of Hydrogen Sulfide by Reading Length of Stain,
	60.104(a)(1) H2S limit	Visual Chemical Detectors

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX A - 1Permit Shield for Non-applicable RequirementsALL SOURCES

Citation	Title or Description	
	(Reason not applicable)	
BAAQMD	"Organic Compounds – Adhesive and Sealant Products" (7/17/02)	
Regulation 8,	The applicant has certified that none of the regulated activities specified in this rule are	
Rule 51	currently taking place at this facility.	
BAAQMD	"Hazardous Pollutants – Lead" (3/17/82)	
Regulation 11,	The applicant has certified that there are no sources at this facility with the potential to	
Rule 1	emit in excess of 15 pounds per day (11-1-301) each, or with the potential to result in	
	ground level lead concentrations in excess of 1.0 microgram/m3 averaged over 24 hours	
	(11-1-302).	
60.692-3(b)	This subsection of NSPS Subpart QQQ requires vents on oil-water separators to be routed	
	through a closed vent system to a control device. The applicant's separator has a fixed	
	roof that is in full contact with the liquid and does not contain any vents. As indicated in	
	Table IV-C, applicant is subject to BAAQMD Regulation 8-8-302.1, which requires a	
	"solid, vapor-tight, full contact cover which totally encloses the separator tank, chamber or	
	basin (compartment) liquid contents, with all cover openings closed and sealed." Since no	
	vents exist, there is nothing to route to a control device, so this subsection of Subpart QQQ	
	does not apply.	

IX. Permit Shield

Table IX B - 2Permit Shield for Subsumed RequirementsS352 – COMBUSTION TURBINES353 – COMBUSTION TURBINES354 – COMBUSTION TURBINE

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
NSPS Subpart GG, 60.334(a)	Install and operate a continuous monitoring system to monitor and record the ratio of water to fuel being fired in the turbine.	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 60.334(b).	Per BAAQMD regulations and permit conditions, ConocoPhillips has equipped the turbines with NOx CEMs in lieu of monitoring the water-to-fuel- ratio being fired in the turbines. Further, proposed amendments to Subpart GG (FR 17990), allow facilities to install and operate a NOx CEM in lieu of water to fuel ratio monitoring.
NSPS Subpart GG, 60.334(b)	Monitor nitrogen content of the fuel being fired in the turbine.	Proposed Subpart GG Amendments: 60.334(h)(2).	Per proposed amendments to Subpart GG (FR 17990), facilities that elect to take no allowance for fuel bound nitrogen in determining the applicable NOx standard are not required to monitor nitrogen fuel content. ConocoPhillips will elect to take this approach when the proposed amendments become effective (May 29, 2003), resulting in a revised NOx standard per 60.332(a)(2) of 150 ppmv at 15% O2 with no fuel bound nitrogen monitoring.
NSPS Subpart GG, 60.334(c)(1)	Definition of excess nitrogen oxide emissions for purposes of reports under 60.7(c) is based on any one-hour period during which the average water-to-fuel ratio falls below the water-to-fuel ratio determined to demonstrate compliance by the performance test required in 60.8	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 60.334(j)(1)(iii).	Per proposed amendments to Subpart GG (FR 17990), the definition of excess emissions is revised for facilities that install and operate a NOx CEMS in lieu of water to fuel ratio monitoring. The revised definition is based on an operating hour in which the 4- hour rolling average NOx concentration as measured by the CEM exceeds the 60.332(a)(2) limit.

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 16487):	December 1, 2003
Administrative Amendment (no application):	May 27, 2004
Reopening (Application 9296):	December 16, 2004
Minor Revision (Application 10871):	April 12, 2005
Reopening (Application 11699):	April 12, 2005
Minor Revision (Application 10622):	January 5, 2006
Minor Revision (Application 12995):	January 5, 2006
Significant Revision (Application 11626):	January 5, 2006
Minor Revision (Application 10115):	March 2, 2006
Minor Revision (Application 12217):	March 2, 2006
Reopening (Application 12433)	November 20, 2006
Reopening (Application 12601)	November 20, 2006
Significant Revision (Application 13691)	January 18, 2007
Minor Revision (Application 12931)	October 15, 2007

IX. Permit Shield

Administrative Amendments (no application)
Change Responsible Official from J. Michael Kenney to Rand Swenson
Change Facility Contact from Valerie Uyeda to Jennifer Ahlskog
Change District Contact from Brenda Cabral to Sanjeev Kamboj
Add names of equipment to headers for Conditions 383, 1440, 6725, 7353, 7523, 12121, 12122, 12124, 12125, 12127, 12129-12133, 12245, 13184, 16677, 18251, 18629, 18680, 19278, 19476, 19488, 20773, 21092, and 21235

XI. GLOSSARY

ACT Federal Clean Air Act

APCO Air Pollution Control Officer

ARB Air Resources Board

BAAQMD Bay Area Air Quality Management District

BACT Best Available Control Technology

BARCT

Best Available Retrofit Control Technology

Basis

The underlying authority which allows the District to impose requirements.

CAA The federal Clean Air Act

CAAQS California Ambient Air Quality Standards

CAPCOA California Air Pollution Control Officers Association

CEC California Energy Commission

CEQA California Environmental Quality Act

CEM

A "continuous emission monitor" is a monitoring device which provides a continuous record of some parameter (e.g. NOx concentration) in an exhaust steam.

CFR

The Code of Federal Regulations. contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of contain the requirements for air pollution programs.

CO

Carbon Monoxide

CO2

Carbon Dioxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

DAF

A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT

Dead Weight Tons

District

The Bay Area Air Quality Management District

dscf

Dry Standard Cubic Feet

E 6, E 9, E 12

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, $4.53 \ge 6$ equals $(4.53)x(10^6) = (4.53)x(10x10x10x10x10x10) = 4,530,000$. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT

An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EMP

Environmental Management Plan

ESP

Electrostatic Precipitator

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

FCC

Fluid Catalytic Cracker

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to Part 51, Subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

GRU

Gas Recovery Unit

H2S

Hydrogen sulfide

H_2SO_4

Sulfuric Acid

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by Part 63.

HC

Hydrocarbon

Hg

Mercury

HNC

Heavy Neutral Hydrocracker

HNHF

Heavy Neutral Hydrofinisher

HHV

High Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

IFRT

An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

LFSO

Low sulfur fuel oil

Lighter

"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

LNC

Light Neutral Hydrocracker

LNHF

Light Neutral Hydrofinisher

LPG

Liquid Petroleum Gas

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MM

Million

Mo Gas Motor gasoline

MOP

The District's Manual of Procedures

MTBE

Methyl Tertiary Butyl Ether

NA

Not applicable

NAAQS

National Ambient Air Quality Standards

NESHAPs

National Emission Standards for Hazardous Air Pollutants. See in Parts 61 and 63.

NMHC

Non-methane Hydrocarbons

NMOC

Non-methane Organic Compounds (Same as NMHC)

NOx

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

02

The chemical name for naturally-occurring oxygen gas.

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 72 from Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

Total Particulate Matter

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

Process Unit

For the purpose of startup and shutdown reporting, a process unit is defined as found in Part 60 Subpart GGG:

Process Unit means components assembled to produce intermediates or final products from petroleum, unfinished petroleum derivatives, or other intermediates; a process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both Part 52 and District Regulation 2, Rule 2.

RACT

Reasonably Available Control Technology

Regulated Organic Liquid

"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

SCR

A "selective catalytic reduction" unit is an abatement device which reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

SDA

Solvent deasphalting

Shutdown

For reporting purposes only, a shutdown shall be defined as any of the following: there is no process feed to a unit, no furnace fires, or the boundary blinds are installed.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2

Sulfur dioxide

SO2 Bubble

An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

SO3

Sulfur trioxide

SRU

Sulfur Recovery Unit

ST-7

Source Test Method #7: Non-Methane Organic Carbon Sampling

Startup

For reporting purposes only, a startup shall be defined as any of the following: the removal of boundary blinds, first fire to a furnace, or the introduction of process feed to a unit. A startup only occurs following a shutdown unless it involves a newly constructed process unit.

THC

Total Hydrocarbons (NMHC + Methane)

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

ТКС

Taylor Kinetic Cracking

TOC

Total Organic Compounds (NMOC + Methane, Same as THC)

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

TRS

"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS

content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP

Total Suspended Particulate

VGO Vacuum Gas Oil

VOC Volatile Organic Compounds

VR

Vapor Recovery

WWT

Wastewater Treatment

Units of Measure:

bbl	=	barrels
bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million, millimeter
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year