## **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** J. Michael Kenney, Refinery Manager 510 245 4415

**Facility Contact** Valerie Uyeda, Environmental Specialist 510 245 5249

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

BAAQMD Engineering Division Contact: Julian Elliot

## ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jack P. Broadbend December 16, 2004 Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

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## I. STANDARD CONDITIONS

#### A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations: **BAAQMD** Regulation 1 - General Provisions and Definitions (as amended by the District Board on 5/2/01); SIP Regulation 1 - General Provisions and Definitions (as approved by EPA on 8/1/01); BAAQMD Regulation 2, Rule 1 - Permits, General Requirements (as amended by the District Board on 8/1/01); SIP Regulation 2, Rule 1 - Permits, General Requirements (as approved by EPA on 2/25/99); BAAQMD Regulation 2, Rule 2 - Permits, New Source Review (as amended by the District Board on 5/17/00); SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration (as approved by EPA on 2/25/99); BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking (as amended by the District Board on 5/17/00); SIP Regulation 2, Rule 4 - Permits, Emissions Banking (as approved by EPA on 2/25/99); and BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review (as amended by the District Board on 5/2/01).

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

- 1. This Major Facility Review Permit was issued on December 1, 2003, and expires on November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 31, 2008 and no earlier than November 30, 2007. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after November 30, 2008. (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
- 2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
- 3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
- 4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

- 5. The filing of a request by the facility for a permit modification, revocation and 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)

#### C. Requirement to Pay Fees

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

#### **D.** Inspection and Entry

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

#### E. Records

- 1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
- 2. Notwithstanding the specific wording in any requirement, all records for federally

enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

#### F. Monitoring Reports

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

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

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

#### G. Compliance Certification

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

Director of the Air Division USEPA, Region IX 75 Haweighthorne Street San Francisco, CA 94105 Attention: Air-3 (MOP Volume II, Part 3, §4.5 and 4.15)

#### H. Emergency Provisions

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

### I. Severability

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

#### J. Miscellaneous Conditions

### 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. The District intends to make a determination regarding the applicability of 40 CFR Part 63, Subpart CC to certain flares on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

6. The District intends to make a determination regarding the applicability of Regulation 8, Rule 2 to certain cooling towers on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

7. The District intends to make a determination regarding the applicability of 40 CFR Part 61, Subpart QQQ to certain wastewater treatment sources on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

8. The District intends to make a determination regarding the applicability of 40 CFR Part 63, Subpart FF to certain waste streams on or before February 15, 2005. Any information the permit holder believes should be considered by the District regarding this determination must be submitted by January 5, 2005. This permit condition is not intended to limit the District's authority to request information.

#### K. Accidental Release

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

## **II. EQUIPMENT**

### **Table II A - Permitted Sources**

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

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

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

S-#	Description	Make or Type	Model	Capacity
	U200, B-5 Heater	Foster-Wheeler	process	103 MM BTU/hr
29	(natural gas, refinery fuel gas)		heater	
	U200, B-101 Heater	Petro-Chem	process	50 MM BTU/hr
30	(natural gas, refinery fuel gas)		heater	
	U200, B-501 Heater	Petro-Chem	process	20 MM BTU/hr
31	(natural gas, refinery fuel gas)		heater	
	U200, B-102 Heater	NA	process	82.1 MM BTU/hr
36	(natural gas, refinery fuel gas)		heater	
	U200, B-202 Heater		process	230 MM BTU/hr
43	(natural gas, refinery fuel gas)		heater	
	U200, B-201 PCT Reboil		process	46 MM BTU/hr
	Furnace		heater	
44	(natural gas, refinery fuel gas)			
	Diesel Engine (turbine S-352	Allis-Chalmers	6138, 435	<100 hr/yr operation
50	startup)		hp	
	Diesel Engine (turbine S-353	Allis-Chalmers	6138, 435	<100 hr/yr operation
51	startup)		hp	
	Diesel Engine (turbine S-354	Allis-Chalmers	6138, 435	<100 hr/yr operation
52	startup)		hp	
		Cummins	6B-5.9, 97	<100 hr/yr operation
			hp	(excluding emergency
53	SPP Emergency Generator G-27			use)
		Waukesha Scania	F647DSUF	<100 hr/yr operation
	Pump Station 3 CP-198		, 258 hp	(excluding emergency
54	Emergency Engine			use)
		Waukesha Scania	F647DSUF	<100 hr/yr operation
	Pump Station 3 CP-199		, 258 hp	(excluding emergency
55	Emergency Engine			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201A		hp	(excluding emergency
56	Emergency Engine			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201B		hp	(excluding emergency
57	Emergency Engine			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422A		hp	(excluding emergency
58	Emergency Engine			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422B		hp	(excluding emergency
59	Emergency Engine			use)
97	Tank 100	external floating roof	crude oil	298 thousand bbl
100	Tank 103	external floating roof	ship ballast	47 thousand bbl
101	Storm Water Equalization Tank T-104	external floating roof	stormwater	5.5 million gal
	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
102	T-105	, i i i i i i i i i i i i i i i i i i i		Ŭ Ŭ

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
	Storm Water Equalization Tank	external floating roof	stormwater	10.6 million gal
106	T-130			
107	Tank 150	external floating roof	crude oil	68 thousand bbl
		external floating roof	crude oil,	4.2 million gal
			gas oil,	
110	Tank 155		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	5300 gal
118	Tank 163	fixed roof	lube oil	5300 gal
121	Tank 166	external floating roof	gasoline	18500 gal
122	Tank 167	external floating roof	naphtha	3.1 million gal
123	Tank 168	external floating roof	naphtha	75 thousand bbl
124	Tank 169	external floating roof	naphtha	75 thousand bbl
125	Tank 170	external floating roof	naphtha	75 thousand bbl
		internal floating roof	naphtha,	75 thousand bbl
126	Tank 172	tank with dome roof	MTBE	
		external floating roof	crude oil,	76 thousand bbl
128	Tank 174		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
139	Tank 204	fixed roof	distillate oil	81 thousand bbl
140	Tank 205	fixed roof	naphtha	54 thousand bbl
150	Tank 241	external floating roof	gasoline	79 thousand bbl
151	Tank 242	external floating roof	gasoline	75 thousand bbl
177	Tank 287	external floating roof	gasoline	104 thousand bbl
178	Tank 288	external floating roof	diesel	104 thousand bbl
182	Tank 294	fixed roof	naphtha	40 thousand bbl
183	Tank 295	external floating roof	naphtha	13 thousand bbl
184	Tank 296	external floating roof	naphtha	70 thousand bbl
186	Tank 298	external floating roof	naphtha	47 thousand bbl
193	Tank 305	fixed roof	dye	2000 gal
194	Tank 306	fixed roof	dye	2000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2500 bbl
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
238	Used Caustic Tank T-211	fixed-roof	caustic waste	10000 bbl

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S-#	Description	Make or Type	Model	Capacity
	Stripped Foul Water Tank T-	fixed-roof	sour water	10000 bbl
239	212			
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
		internal floating roof	gasoline	104 thousand bbl
257	Tank 1004	tank with dome roof		
		internal floating roof	gasoline	104 thousand bbl
258	Tank 1005	tank with dome roof		101.1
259	Tank 1006	external floating roof	gasoline	104 thousand bbl
0.(1	T 1 1010	external floating roof	naphtha,	104 thousand bbl
261	Tank 1010	1 1/11	distillate oil	15000 1 1 1
204	Non-Retail Gasoline Dispensing	phase I / II vapor	EW A4000	15000 gal underground
294	Facility (GDF 7609 – 1 nozzle)	recovery		tank
296	C-1 Flare (main refinery flare, elevated, steam-assisted, serves	Callidus		845 ton/hr gas handling capacity, 6.6 MM BTU/hr
290	S-304, S-305, S-306)			pilot
300	U200 Delayed Coker	delayed coker	NA	81,000 bbl/day
500		NA	NA	245 long ton/day for S-
		1 17 1	1 1 1 1	301, 302, 303 (271 long
				ton/day after execution of
301	Molten Sulfur Pit 234			A/C 5814)
		NA	NA	245 long ton/day for S-
				301, 302, 303 (271 long
202				ton/day after execution of $A/C_{2}$ 5014)
302	Molten Sulfur Pit 236	NT A		A/C 5814) 245 long ton/day for S-
		NA	NA	301, 302, 303 (271 long
				ton/day after execution of
303	Molten Sulfur Pit 238			A/C 5814)
	U229 Mid-Barrel Unionfining	NA	NA	12198 bbl/day
	(Light Naphtha Hydrotreater			2
	after modification in accordance			
304	with A/C 5814)			
	U230 Prefractionator/Naphtha	NA	NA	25300 bbl/day
305	Hydrotreater			
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit	NA	NA	38,000 bbl/day
308	U244 Reforming Unit	NA	NA	16087 bbl/day
309	U248 UNISAR Unit	NA	NA	16740 bbl/day
	U76 Gasoline/Mid Barrel	NA	NA	80000 bbl/day gasoline
318	Blending Unit			41200 bbl/day diesel
210	U215 Gasoline Fractionating	NA	NA	9,600 bbl/day
319	Unit	214		
		NA	NA	throughput limited at
322	1140 Pasy Materials Passiving			specific tanks, process
322	U40 Raw Materials Receiving			units

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
		NA	NA	7,500 gpm during media
	U100_API Oil Wastewater			filter backwash and 7,000
324	Separator (with outlet channel			gpm during all other times
334	cover) Tank 107	avternal floating roof	crude oil	180 thousand bbl
554	U231 B-104 Heater	external floating roof Foster-Wheeler	process	111 MM BTU/hr
336	(natural gas, refinery fuel gas)	roster- wheeler	heater	
550	U231 B-105 Heater	Foster-Wheeler	process	34 MM BTU/hr
337	(natural gas, refinery fuel gas)		heater	5 T MINT BT C/M
338	U233 Fuel Gas Center			7.5 E 6 cubic feet/hr
339	U80 Refined Oil Shipping Unit	gasoline shipping		294 thousand gal/hr
340	Tank 108	external floating roof	crude oil	200 thousand bbl
341	Tank 208	external floating roof	gasoline	103 thousand bbl
342	Tank 209	external floating roof	gasoline	103 thousand bbl
343	Tank 210	external floating roof	gasoline	103 thousand bbl
		atmospheric/vacuum	Č	33000 bbl/day
350	U267 Crude Distillation Unit	towers		2
	U267 B-601/602 Tower Pre-			101 MM BTU/hr
	heaters			
351	(natural gas, refinery fuel gas)			
	Combustion Turbine	Westinghouse	191	291MMBTU/hr
352	(natural gas, refinery fuel gas)			continuously
252	Combustion Turbine	Westinghouse	191	291MMBTU/hr
353	(natural gas, refinery fuel gas) Combustion Turbine	W7 and a star star	101	continuously 291MMBTU/hr
354		Westinghouse	191	continuously
554	(natural gas, refinery fuel gas) Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners	Coen		1/5 WIWI DI U/III
355	(natural gas, refinery fuel gas)			
555	Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners			
356	(natural gas, refinery fuel gas)			
	Supplemental Firing Duct	Coen		175 MM BTU/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 MM BTU/hr for S-
271	Furnace			371, 372
371	(natural gas, refinery fuel gas)	Calaa		
	U228 B-521 (Hydrogen Plant) Furnace	Selas		58 MM BTU/hr for S- 371, 372
372	(natural gas, refinery fuel gas)			5/1, 5/2
372	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-32	18 gal

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S-#	Description	Make or Type	Model	Capacity
380	Activated Carbon Silo (P-204)			50,000 lb
381	Aeration Tank, Pact (F-201)	wastewater	100 ft dia	1.2 million gal
382	Aeration Tank, Pact (F-202)	wastewater	100 ft dia	1.2 million gal
383	Clarifier, F-203	wastewater	95 ft dia	0.69 million gal
384	Clarifier (F-204)	wastewater	95 ft dia	0.69 million gal
385	Media Filter (F-207 A-H)	wastewater	<i>y</i> o n uiu	420 thousand gal/hr
505	PAC Regeneration Sludge	Wable Water	25 ft dia	44000 gal
386	Thickener (F-211)		25 11 414	11000 gui
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
201	Sludge Pretreatment (T276,	30 ft dia by 24 ft		17.5 ton/hr
388	F205)	12 ft dia by 24 ft		17.5 (01/11
389	Diatomaceous earth silo (F-214)			40000 lb
	F-106 Thickened Sludge	15 ft diameter open tank		38,000 gal
390	Storage			50,000 Bui
	Regenerated PAC Slurry	fixed roof		42000 gal
392	Storage Tank F-266			
	MP-30 Flare (backup refinery	John Zink	Q5-48C	845 ton/hr gas handling
398	flare, elevated, steam-assisted,		`	capacity, 3.1 MM BTU/hr
	serves S-304, S-305, S-306)			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		25000 bbl/day annual
425	Marine Loading Berth M1			average for S-425, 426
		4 permitted arms		25000 bbl/day annual
426	Marine Loading Berth M2			average for S-425, 426
432	U215 Deisobutanizer			7600 bbl/day
433	MOSC Storage Tank	fixed roof		30000 gal
435	Reformate Splitter			18100 bbl/day
436	Deisopentanizer			13400 bbl/day
437	Hydrogen Manufacturing Unit			25 million scf/day
	U110, H-1 (H2 Plant	Claudius Peters	reforming	210 MM BTU/hr
	Reforming) Furnace		furnace	
120	(natural gas, refinery fuel gas,			
438	PSA offgas)			
420	T. 1.100	external floating roof	gasoline,	161 thousand bbl
439	Tank 109	automal flacting read	others	1 ( 1 dh ann an d 1 1 1
440	Tank 110 (Alkylate)	external floating roof	alkylate	161 thousand bbl
440	Tople 112	external floating roof	gasoline,	161 thousand bbl
442	Tank 112	automal flacting reaf	others	112 thousand the
444	Tank 243	external floating roof	gasoline, others	113 thousand bbl
444		underground tank		190 thousand bbl
	Tank 271 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl 41 thousand bbl
446	Tank 310 (Isopentane)		isopentane	
447	Tank 311 (Isopentane)	fixed roof 13 Revis	isopentane	41 thousand bbl December 16, 2004

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
	Tank 1007 (Blendstock	internal floating roof	gasoline,	243 thousand bbl
448	Receiving)	C C	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	
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day
	U250, B-701 Heater	NA	process	50.2 MM BTU/hr
461	(natural gas, refinery fuel gas)		heater	
	U215 Fuel Gas Caustic	NA	NA	4.2 million scf/day of fuel
462	Treatment System			gas
	U215 Butane Caustic Treatment	NA	NA	1,000 bbl/day of butane
463	System			
			Claus	245 long ton/day for S-
				1001, 1002 and 1003 (271
	Sulfur Plant Unit 234 (including			long ton/day after
1001	aux. burner)			execution of A/C 5814)
			Claus	245 long ton/day for S-
				1001, 1002 and 1003 (271
	Sulfur Plant Unit 236 (including			long ton/day after
1002	aux. burner, water stripper)			execution of A/C 5814)
			Claus	245 long ton/day for S-
				1001, 1002 and 1003 (271
1002	Sulfur Plant Unit 238 (including			long ton/day after
1003	aux. burner)			execution of A/C 5814)
				7,500 gpm during media
	U100 Dissolved Air Flat			filter backwash and 7,000
1007	U100 Dissolved Air Flotation			gpm during all other
1007	Unit (with fixed roof)			times
1000	U100 Primary Stormwater			7000 gpm
1008	Basin			7000
1009	U100 Main Stormwater Basin			7000 gpm

### **Table II B – Abatement Devices**

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

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
1	Sulfur Plant Tail-Gas	S-1001	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	S-1001	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	S-1002	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	S-1002	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
3	Sulfur Plant Tail-Gas	S-1003	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	S-1003	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
		-			concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
4	SCR System	S-43	BAAQMD	NOx, O2 CEMs	40 ppmv NOx
			Condition		at 3% O2 (over
			1694		8-hr period)
					except at
					startup and
					shutdown
4	SCR System	S-43	BAAQMD	none	50 ppmv CO at
			Condition		3% O2
			1694		(monthly
					average)
					except at
					startup and
					shutdown
6	SCR System	S-351	BAAQMD	NOx, O2 CEMs	20 ppmv NOx
			Condition		at 3% O2 (over
			1694		3-hr period)
					except at
					startup and
					shutdown
7	Vapor Recovery System (3	Tanks	BAAQMD	none	nuisance odors
	electrically driven	S-139,	7-301, 7-302,		
	compressors)	S-140,	7-303		
		S-182,			
		S-388,			
		S-433,			
		S-445,			
		S-446,			
		S-447			
7	Vapor Recovery System (3	S-139,	SIP 8-5-311.3	None	95% overall
	electrically driven	S-140,			control of
	compressors)	S-182			emissions
7	Vapor Recovery System (3	S-139, S-	BAAQMD 8-	None	95% overall
	electrically driven	140, S-182	5-306		control of
	compressors)				emissions
7	Vapor Recovery System (3	S-449	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		11219		fuel gas system

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
<b>A-</b> #	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System (3	S-433	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		7353		fuel gas system
7	Vapor Recovery System (3	S-445	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12130		fuel gas system
7	Vapor Recovery System (3	S-446	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12131		fuel gas system
7	Vapor Recovery System (3	S-447	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12132		fuel gas system
7	Vapor Recovery System (3	S-182	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		13184		fuel gas system
8	Stretford Evaporative Cooler	S-301	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/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
9	Stretford Evaporative Cooler	S-302	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

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
9	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
10	Stretford Evaporative Cooler	S-303	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
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	S-352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S-355	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S-352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
13	SCR System	S-352,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S-355	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at S-
					352-357
13	SCR System	S-352	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301	(or CO2) CEM	15% O2

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
14	SCR System	S-353,	BAAQMD	NOx CEM	66 lb/hr NOx
		S-356	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S-352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
14	SCR System	S-353,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S-356	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at S-
					352-357
14	SCR System	S-353	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301	CO2 CEM	15% O2
15	SCR System	S-354,	BAAQMD	NOx CEM	66 lb/hr NOx
		S-357	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S-352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
15	SCR System	S-354,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S-357	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at S-
					352-357
15	SCR System	S-354	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301	(or CO2) CEM	15% O2

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
16	SCR System	S-371	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
16	SCR System	S-371	BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)
17	SCR System	S-372	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
17	SCR System	S-372	BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)
20	Activated Carbon Silo	S-380	BAAQMD	differential pressure	normal range
	Baghouse		Regulations		
			6-301		
			6-305		
			6-310		
			6-311		
			BAAQMD		
			Condition		
			18251		
21	Diatomaceous Earth Silo	S-389	BAAQMD	differential pressure	normal range
	Baghouse		Regulations		
			6-301		
			6-305		
			6-310		
			6-311		
			BAAQMD		
			Condition		
			18251		
36	SCR System	S-36	BAAQMD	NOx, O2 CEM	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			21097		average)

**Table II B – Abatement Devices** 

		Source(s)	Applicable	Operating	Limit or
<b>A-</b> #	Description	Controlled	Requirement	Parameters	Efficiency
46	SCR System	S-438	BAAQMD	NOx, O2 CEMs	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part E		average)
46	SCR System	S-438	BAAQMD	none	32 ppmv CO at
			Condition		3% O2 (daily
			1694, Part E		average)
50	Hydrogen Plant Vent	S-307	BAAQMD	None	15 lb/day POC
	Scrubber		8-2-301		from emission
					streams with
					more than 300
					ppm total
					carbon
113	SCR System	S-13	BAAQMD	NOx, O2 CEM	0.033 lb
			9-10-301		NOx/MMBTU
					refinery-wide
					limit
420	Marine Terminal Thermal	S-425	BAAQMD	None	2 pounds POC
	Oxidizer	S-426	8-44-301		per 1,000 bbl
					loaded OR at
					least 95% by
					weight
					reduction of
					POC emissions
420	Marine Terminal Thermal	S-425	40 CFR	None	fuel gas H2S
	Oxidizer	S-426	60.104(a)(1)		concentration
					limited to 230
					mg/dscm (0.10
					gr/dscf)
			NSPS 40 CFR	None	None
			60 Subpart A		
461	SCR System	S-461	BAAQMD	NOx, O2 CEM	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			21096		average)

## Table II B – Abatement Devices

## **Table II C – Sources Exempt from Permit Requirements**

S-#	Description	Basis for Exemption
69	Propane Loading Rack	BAAQMD 2-1-123.3.1
70	Butane Loading Rack	BAAQMD 2-1-123.3.1
71	Wax & Lube Oil Loading Rack (Tank Cars)	BAAQMD 2-1-123.3.4, BAAQMD 2-1-123.3.6
72	Wax Loading Rack (Trucks)	BAAQMD 2-1-123.3.6
73	Lube Oil Loading Rack (Trucks)	BAAQMD 2-1-123.3.4
90	Tank 67	BAAQMD 2-1-123.3.2
91	Tank 73	BAAQMD 2-1-123.3.6
94	Tank 78	BAAQMD 2-1-123.3.10
98	Tank 101	BAAQMD 2-1-123.3.2, BAAQMD 2-1-1233.3
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
130	Tank 188	BAAQMD 2-1-123.3.6
131	Tank 189	BAAQMD 2-1-123.3.6
132	Tank 191	BAAQMD 2-1-123.3.4
135	Tank 200	BAAQMD 2-1-123.3.2
136	Tank 201	BAAQMD 2-1-123.3.2
137	Tank 202	BAAQMD 2-1-123.3.2
138	Tank 203	BAAQMD 2-1-123.3.3
141	Tank 213	BAAQMD 2-1-123.3.6
142	Tank 214	BAAQMD 2-1-123.3.6
143	Tank 215	BAAQMD 2-1-123.3.6
144	Tank 216	BAAQMD 2-1-123.3.6
145	Tank 217	BAAQMD 2-1-123.3.4
148	Tank 231	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.9
149	Tank 232	BAAQMD 2-1-123.2, BAAQMD 2-1-123.3.9
157	Tank 252	BAAQMD 2-1-123.3.6
158	Tank 258	BAAQMD 2-1-123.3.2
162	Tank 262	BAAQMD 2-1-123.3.6
164	Tank 264	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
165	Tank 265	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
166	Tank 266	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
167	Tank 268	BAAQMD 2-1-123.3.6
168	Tank 269	BAAQMD 2-1-123.3.2
169	Tank 270	BAAQMD 2-1-123.3.2

S-#	Description	Basis for Exemption
171	Tank 273	BAAQMD 2-1-123.3.6
172	Tank 279	BAAQMD 2-1-123.3.6
173	Tank 280	BAAQMD 2-1-123.3.2
174	Tank 281	BAAQMD 2-1-123.3.3
175	Tank 284	BAAQMD 2-1-123.3.2
179	Tank 291	BAAQMD 2-1-123.3.2
180	Tank 292	BAAQMD 2-1-123.3.2
187	Tank 299	BAAQMD 2-1-123.3.4
188	Tank 300	BAAQMD 2-1-123.3.1
189	Tank 301	BAAQMD 2-1-123.3.1
190	Tank 302	BAAQMD 2-1-123.3.1
191	Tank 303	BAAQMD 2-1-123.3.3
192	Tank 304	BAAQMD 2-1-123.3.3
202	Tank 521	BAAQMD 2-1-123.3.6
204	Tank 528	BAAQMD 2-1-123.3.2
205	Tank 529	BAAQMD 2-1-123.3.2
206	Tank 530	BAAQMD 2-1-123.3.4
207	Tank 531	BAAQMD 2-1-123.3.6
209	Tank 674	BAAQMD 2-1-123.3.2
224	Tank 746	BAAQMD 2-1-123.3.4
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

## Table II C – Sources Exempt from Permit Requirements

<b>S-</b> #	Description	Basis for Exemption
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
500	ULSD Cooling Tower	BAAQMD 2-1-128.4

## Table II C – 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 requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

## NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with <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 (5/2/01)	Ν
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (8/01/01)	Ν
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (5/17/00)	Ν
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (5/17/00)	Ν
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (5/2/01)	Ν

Table IIIGenerally Applicable Requirements

## **III.** Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 2, Rule 9	IERCs (4/7/99)	Ν
BAAQMD Regulation 3	Fees (6/5/02)	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 (11/2/94)	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
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y - note 1
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 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)	N
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y - note 1
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/99)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y - note 1

# Table IIIGenerally Applicable Requirements

## **III.** Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
Notification Requirement –	Notification Requirement – Process Unit Startup and	N N
Process Unit Startup and Shutdown	Shutdown (Permit Section VI)	
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
Subpart M, 40 CFR 61	Asbestos Demolition and Renovation	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 parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit. All other text may be found in the regulations themselves.

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/02/01)		
<b>Regulation 1</b>			
1-301	Public Nuisance Prohibition	Ν	
1-107	Combination of Emissions	Y	
1-510	Area Monitoring	Y	
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	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)		
<b>Regulation 1</b>			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-544	Monthly Summary	Y	

# Table IV – All SourcesFacility-Specific Generally Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Requirements (8/1/01)		
Regulation 2,			
<b>Rule 1</b> 2-1-429	Federal Emissions Statement	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	1	
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		37 / 1	
8-4-302	Solvent and Surface Coating Operations         Storage of Organic Liquids (11/27/02)	Y-note 1	
BAAQMD Regulation 8,	Storage of Organic Liquids (11/27/02)		
Rule 5			
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Tank Degassing Requirements, Approved Emission Control	Y	
	System		
8-5-404	Certification	Y	
8-5-502	Tank Cleaning Annual Source Test Requirements	Y	
8-5-603	Determination of Emissions	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
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		
<b>Regulation 8,</b>	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 1-1-510, 1-1-530, 1-1-540, 1-1-542, 1-1-543, 1-1-544	Y	
9-1-110.2	comply with 9-1-301 ground level SO2 concentration limits	Y	
9-1-301	Limitations on Ground level Concentrations	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	Install a sulfur recovery plant	N	
9-1-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
9-1-604	Ground Level Monitoring	Y	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,	[only provisions which are different than current BAAQMD		
Rule 1	regulation are listed]		

# Table IV – All SourcesFacility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-313.2	Operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y	
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants- Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations on Ground Level Concentrations	Ν	
9-2-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	Ν	
9-2-601	Ground Level Monitoring	Ν	
BAAQMD Regulation 11, Rule 2	Asbestos Demolition, Renovation and Manufacturing (10/07/98)		
11-2-301	Prohibited Operations	N	
11-2-301	Visible Emissions	N	
11-2-302	Demolition, Renovation, and Removal	N	
11-2-304	Waste Disposal	N	
11-2-305	Waste Disposal Waste Disposal Sites	N	
11-2-501	Temperature Records	N	
11-2-502	Waste Shipment Records	N	
11-2-503	Active Waste Disposal Records	N	
11-2-504	Conversion Operations	N	
NSPS 40 CFR 60 Subpart A	New Source Performance Standards – General Provisions (12/23/71)		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	

# Table IV – All SourcesFacility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumstances	Y	
60.13	Monitoring requirements	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.18	General control device requirements	Y	
60.19	General notification and reporting requirements	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants -		
40 CFR 61	General Provisions (3/16/95)		
Subpart A			
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	

# Table IV – All SourcesFacility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
NESHAP Part	National Emission Standard for Benzene Waste Operations	()	
61	(3/7/90);		
Subpart FF;	BAAQMD National Emission Standard for Benzene Emissions		
BAAQMD	from Benzene Transfer Operations and Benzene Waste		
Regulation 11,	<b>Operations (4/19/89)</b>		
Rule 12			
61.340(a)	Applicability	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.342	Standards: General	Y	
61.342(a)	exemption for facilities with less than 10 Mg/yr of benzene in waste from 61.342(b) and 61.342(c)	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(b)(1)	quantification of annual waste quantity at sour water strippers (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.355(c)(1) (i)(A)	quantification of flow-weighted annual average benzene concentration (including ammonia stills at coke by-product plants) shall be made at the water effluent from the still	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.357	Reporting requirements	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
BAAQMD Regulation 11- 12	Incorporates by reference 40 CFR 61 Subpart FF	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants for	Y	
40 CFR 63	Source Categories		
Subpart A			
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	

# Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
63.15	Availability of Information & Confidentiality	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants for		
40 CFR 63	Source Categories: General Provisions; and Requirements for		
Subpart B	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	

# Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.52(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	
MACT	National Emissions Standards for Hazardous Air Pollutants		
40 CFR 63 Subpart CC	from Petroleum Refineries (8/18/95)		
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(f)	Applicability and Designation of Affected Sources	Y	
63.640(g)	Applicability and Designation of Affected Sources-Exempt processes	Y	
63.640(h)	Applicability and Designation of Affected Sources-Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Sources-New petroleum refining processes	Y	
63.640(j)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(k)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(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 (1)(3)(i) through (1)(3)(vii) of this section	Y	
63.642	General Standards		
63.642(a)	apply for a Part 70 or Part 71 operating permit	Y	
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	

# Table IV – All SourcesFacility-Specific Generally Applicable Requirements

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

# Table IV – All Sources Facility-Specific Generally Applicable Requirements

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

#### Table IV – All SourcesFacility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
63.654(d)	Owner/operators subject to the equipment leaks standards in 63.648	Y	
	shall comply with the recordkeeping and reporting provisions of		
	paragraphs (d)(1) through (d)(6) of this section.		
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.

# Table IV – A.1Source-specific Applicable RequirementsS-2 – 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 (5/2/01)		
<b>Regulation 1</b>			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	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	
BAAQMD			
Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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 unavailable for use	N	
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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube	Y	
	cleaning [Basis: Regulation Regulation 2-6-409.2]		
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis:	Y	
	Regulation Regulation 2-6-409.2]		
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition			
21235		),	1/1/07
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation	N	1/1/05
Davet 2	9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring Fuel flowmeters	N Y	
9-10-502.2			
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	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05

# Table IV – A.3Source-specific Applicable RequirementsS-4 – UNIT 231, B-101 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	1/1/05
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-601	Determination of NOx	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)		
<b>Regulation 1</b>			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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	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	
BAAQMD			
Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation Regulation 2-6-409.2]	Y	
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation 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 S-2, S-3, S-4, S-5, S-7 [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 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/1)	Date
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250 MM BTU/hr or more	Y	
1-521	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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	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	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	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	1/1/05

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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.7Source-specific Applicable RequirementsS-9 – UNIT 240, B-2 BOILER

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement 9-10-504	Description of Requirement	(Y/N)	Date
	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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)		
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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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)	N	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	Ν	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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.9Source-specific Applicable RequirementsS-11 – UNIT 240, B-201 HEATER

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

# Table IV – A.9Source-specific Applicable RequirementsS-11 – UNIT 240, B-201 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	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	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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

### Table IV – A.10Source-specific Applicable RequirementsS-12 – 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 (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/1)	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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Procedures,		(1/1)	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)		
9-10-301	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	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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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.12Source-specific Applicable RequirementsS-14 – UNIT 240, B-401 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
<b>Regulation 1</b>			
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		
<b>Regulation 1</b>	General Provisions and Definitions (6/28/99)		

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

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 Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	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	
BAAQMD			
Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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.13Source-specific Applicable RequirementsS-15 – UNIT 244, B-501 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
<b>Regulation 1</b>			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		

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

Applicable	Regulation Title or	Federally Enforceable	Future 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	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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-504	Recordkeeping	N N	Date
9-10-504.1	Records	N	
		N	
9-10-505	Reporting Determination of NOx		
9-10-601		N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limit for S-15, S-16, S-17, S-18 and S-19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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.14Source-specific Applicable RequirementsS-16 – UNIT 244, B-502 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(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	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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	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	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-15, S-16, S-17, S-18 and S-19 [Basis: 2-1-234.3]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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.15Source-specific Applicable RequirementsS-17 – UNIT 244, B-503 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-521	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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	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	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	
BAAQMD			
Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6- 409.2]	Y	
BAAQMD	Throughput limits for S-15, S-16, S-17, S-18 and S-19 [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 305 [Basis: Regulation	Ν	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Ν	1/1/05
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

### Table IV – A.15Source-specific Applicable RequirementsS-17 – UNIT 244, B-503 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.16Source-specific Applicable RequirementsS-18 – UNIT 244, B-504 HEATER

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-15, S-16, S-17, S-18 and S-19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

### Table IV – A.16Source-specific Applicable RequirementsS-18 – 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.

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

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

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

Applicable	Domination Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/14)	Date
Regulation 1	Scherar 1 rousions and Demittons (3/2/01)		
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	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	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	
9-10-504	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	
BAAQMD	<u>^</u>		
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-15, S-16, S-17, S-18 and S-19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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.18Source-specific Applicable RequirementsS-20 – UNIT 244, B-506 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(2/2/)	2.000
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	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	
BAAQMD			
Condition			
1694			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-20 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1	Manitaring May Do Dogwirod	Y	
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b> 6-301	Dingelmenn #1 Limitation	Y	
6-305	Ringelmann #1 Limitation		
6-310.3	Visible Particles	Y Y	
	Particulate Weight Limitation	I	
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	
<u> </u>	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 Requirments	Y	
9-10-306.2	Small Unit Requirments: Tune-up at least every 12 months, or within	Y	
	two weeks of start-up if not operated in the last 12 months		
9-10-504	Recordkeeping	N	
9-10-504.2	Records	N	
9-10-505	Reporting	N	
9-10-605	Tune-up Procedures	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-21 [Basis: 2-1-234.3]	Y	
Condition			

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

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(2/2/)	2.000
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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	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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-22 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	N	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1	Maritania Marina De Davis da	V	
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b> 6-301	Disselution #1 Limitation	Y	
6-305	Ringelmann #1 Limitation		
	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	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	Ν	
9-10-602	Determination of CO and Stack Gas O2	Ν	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
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.21Source-specific Applicable RequirementsS-29 – UNIT 200, B-5 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 S-29 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	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	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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-30 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	Ν	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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	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	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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S-31 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9- 10-502]	Ν	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

### Table IV – A.24Source-specific Applicable RequirementsS-36 – 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 (5/2/01)		startup date
<b>Regulation 1</b>			
1-520	Continuous Emission Monitoring	Y	startup date
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	startup date
1-521	Monitoring May Be Required	Y	startup date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		startup date
1-522.4	reporting of inoperative CEMs	Y	startup date
1-522.5	CEM calibration requirements	Y	startup date
1-522.6	CEM accuracy requirements	Y	startup date
1-522.7	emission limit exceedance reporting requirements	Ν	startup date
1-522.8	monitoring data submittal requirements	Y	startup date
1-522.9	recordkeeping requirements	Y	startup date
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	startup date
1-602	Area and Continuous Monitoring Requirements	Ν	startup date

## Table IV – A.24Source-specific Applicable RequirementsS-36 – UNIT 200, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
<b>Regulation 1</b>	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	startup date
1-522.7	emission limit exceedance reporting requirements	Y - note 1	startup date
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		startup date
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Ν	startup date
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	startup date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		startup date
<b>Regulation 6</b>			
6-301	Ringelmann #1 Limitation	Y	startup date
6-305	Visible Particles	Y	startup date
6-310.3	Particulate Weight Limitation	Y	startup date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	startup date
Manual of			
Procedures,			
Volume V			
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		startup date
40 CFR 60			
Subpart J			
60.100	Applicability	Y	startup date
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	startup date
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	startup date
	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	startup 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	Y	startup date
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	startup date

# Table IV – A.24Source-specific Applicable RequirementsS-36 – UNIT 200, B-102 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective Date
Requirement 60.106(a)	Description of Requirement	(Y/N) Y	
	Test methods and procedures		startup date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	startup date
NSPS	Appendix A to Part 60 – Test Methods	Y	startup date
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		startup date
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	startup date
Specification 7			
BAAQMD			startup date
Condition			
21097			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	startup date
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	startup date
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	after initial
			performance
			test
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase, Toxic	Y, except for	after initial
	Management]	ammonia	performance
		limit (Toxic	test
		Management)	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	startup date
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	startup date
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	startup date
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	startup date
Part 8	Initial source test requirement [Basis: BACT, Cumulative Increase, Toxic Management]	Y, except for ammonia limit (Toxic	90 days after startup

### Table IV – A.24Source-specific Applicable RequirementsS-36 – UNIT 200, B-102 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
		Management)	
Part 9	Initial source test procedures TRS reporting requirements [Basis:	Y, except for	90 days after
	BACT, Cumulative Increase, Toxic Management]	ammonia	startup
		limit (Toxic	
		Management)	
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]		

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.25Source-specific Applicable RequirementsS-43 – UNIT 200, B-202 HEATER

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

## Table IV – A.25Source-specific Applicable RequirementsS-43 – UNIT 200, B-202 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.7	emission limit exceedance reporting requirements	N	Dute
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	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
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 {adopted 11/01/89})		
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 Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	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	

## Table IV – A.25Source-specific Applicable RequirementsS-43 – UNIT 200, B-202 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	Ν	
9-10-603	Compliance Determination	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 40 CFR 60	Performance Specifications		

## Table IV – A.25Source-specific Applicable RequirementsS-43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
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	S-43 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.2	S-43, S-44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S-43, S-44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.4	S-43, S-44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-43 [Basis: 2-1-234.3]	Y	
BAAQMD Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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.26Source-specific Applicable RequirementsS-44 – 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 (5/2/01)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	1	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
1-322.10	District	I	
1-602	Area and Continuous Monitoring Requirements	Ν	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
<b>Regulation 1</b>	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 (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
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 {adopted 11/01/89})		
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	

## Table IV – A.26Source-specific Applicable RequirementsS-44 – UNIT 200, B-201 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
6-310.3	Particulate Weight Limitation	Y	Dute
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of		1	
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	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	
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		

# Table IV – A.26Source-specific Applicable RequirementsS-44 – UNIT 200, B-201 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	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.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Ν	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.2	S-43, S-44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S-43, S-44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.4	S-43, S-44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	Throughput limits for source S-44 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05

# Table IV – A.26Source-specific Applicable RequirementsS-44 – UNIT 200, B-201 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	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Ν	1/1/05
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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 RequirementsS-50, S-51, S-52 – TURBINE STARTUP 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)		
<b>Regulation 6</b>			
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			

## Table IV – A.27Source-specific Applicable RequirementsS-50, S-51, S-52 – TURBINE STARTUP ENGINES

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition			
19488			
Part 1	100 hr/yr operating limit per engine [Basis: Cumulative increase]	Y	
Part 2	Operating hour records [Basis: Regulation 9-8-502]	Y	

### Table IV – A.28 Source-specific Applicable Requirements S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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, Rule 1	Limitations (3/15/95)		
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9, Rule 8	Internal Combustion Engines (8/1/01)		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD			
Condition			
19488			
Part 3	100 hr/yr operating limit per engine (non-emergency) [Basis: Regulation 9-8-330]	Y	
Part 6	Monitoring [Basis: Regulation 9-8-530]	Y	
Part 7	Operating hour records [Basis: Regulation 9-8-530]	Y	

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

#### Table IV – A.29 Source-specific Applicable Requirements S-336 – UNIT 231, B-104 HEATER

Revision dated: December 16, 2004

except for gas burned as a result of process upset or gas burned at

## Table IV – A.29Source-specific Applicable RequirementsS-336 – UNIT 231, B-104 HEATER

Applicable	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective
Requirement	flares from relief valve leaks or other emergency malfunctions	(1/N)	Date
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
00.103(a)(4)	combustion (in lieu of separate combustion device exhaust SO2	1	
	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			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for source S-336 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	Ν	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Ν	1/1/05
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05

# Table IV – A.29Source-specific Applicable RequirementsS-336 – UNIT 231, B-104 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Ν	1/1/05
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Ν	1/1/05
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

## Table IV – A.30Source-specific Applicable RequirementsS-337 – 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 (5/2/01)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
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	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	

Table IV – A.30
Source-specific Applicable Requirements
S-337 – UNIT 231, B-105 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-504.1	Records	N N	Date
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
		Y	
9-10-603	Compliance Determination	Ŷ	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J	AnnlineLille	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) except for gas burned as a result of process upset or gas burned at	Y	
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
		Y 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	Ŷ	
	monitors as required by 60.105(a)(3))		
60 105(a)(2)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.105(e)(3)(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		Y Y	
40 CFR 60	Appendix A to Part 60 – Test Methods	I	
Appendix A			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
		Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	ľ	
BAAQMD	Throughput limits for source S-337 [Basis: 2-1-234.3]	Y	
Condition			

5-337 – UNIT 231, B-105 HEATER				
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
20989, Part A				
BAAQMD				
Condition				
21235				
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	Ν	1/1/05	
	9-10-301, 305]			
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Ν	1/1/05	
	Regulation 9-10-502]			
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Ν	1/1/05	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Ν	1/1/05	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Ν	1/1/05	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Ν	1/1/05	
	10-502]			
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Ν	1/1/05	
	[Basis: Regulation 9-10-502]			
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05	

#### Table IV – A.30 **Source-specific Applicable Requirements** S-337 - UNIT 231, B-105 HEATER

#### Table IV – A.31 Source-specific Applicable Requirements S-351 – 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 (5/2/01)		
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	

# Table IV – A.31Source-specific Applicable RequirementsS-351 – UNIT 267, B-601/602 HEATERS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	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		
<b>Regulation 1</b>	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 (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
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 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD Manual of Procedures,	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
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	
	1 ····································	- •	

## Table IV – A.31Source-specific Applicable RequirementsS-351 – UNIT 267, B-601/602 HEATERS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	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	
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			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			

<b>Table IV – A.31</b>
Source-specific Applicable Requirements
S-351 – UNIT 267, B-601/602 HEATERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part B.1	S-351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S-351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	
Part B.3	S-351 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-351 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Ν	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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.32Source-specific Applicable RequirementsS-371 – UNIT 228, B-520 FURNACE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	

## Table IV – A.32Source-specific Applicable RequirementsS-371 – UNIT 228, B-520 FURNACE

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	
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)(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			

### Table IV – A.32Source-specific Applicable RequirementsS-371 – UNIT 228, B-520 FURNACE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S-371, S-372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	Throughput limits for source S-371 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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# Table IV – A.33Source-specific Applicable RequirementsS-372 – UNIT 228, B-521 FURNACE

		Federally	Future
Applicable Boguiroment	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
Requirement BAAQMD	General Provisions and Definitions (5/2/01)	(1/1)	Date
Regulation 1	Scherar 1 rovisions and Demintions (3/2/01)		
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	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	Ν	

# Table IV – A.33Source-specific Applicable RequirementsS-372 – UNIT 228, B-521 FURNACE

		Federally	Future
Applicable	Regulation Title or	Enforceable	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	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	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	
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)(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			

<b>Table IV – A.33</b>			
Source-specific Applicable Requirements			
S-372 – UNIT 228, B-521 FURNACE			

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S-371, S-372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S-372 [Basis: 2-1-234.3]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Ν	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Ν	1/1/05

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.34Source-specific Applicable RequirementsS-438 – UNIT 110, H-1 FURNACE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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			
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		

### Table IV – A.34Source-specific Applicable RequirementsS-438 – UNIT 110, H-1 FURNACE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	Appendix A to Part 60 – Test Methods	Y	
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part E.1	S-438 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.2	S-438 annual firing limit [Basis: Cumulative Increase]	Y	
Part E.3	S-438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.4	S-438 NOx and CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part E.5	S-438 fuel gas TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.6	S-438 Records [Basis: Recordkeeping]	Y	

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

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

### Table IV – A.35Source-specific Applicable RequirementsS-461 – 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 (5/2/01)		startup date
1-520	Continuous Emission Monitoring	Y	startup date
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	startup date
1-521	Monitoring May Be Required	Y	startup date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		startup date
1-522.4	reporting of inoperative CEMs	Y	startup date
1-522.5	CEM calibration requirements	Y	startup date
1-522.6	CEM accuracy requirements	Y	startup date
1-522.7	emission limit exceedance reporting requirements	Ν	startup date
1-522.8	monitoring data submittal requirements	Y	startup date
1-522.9	recordkeeping requirements	Y	startup date
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	startup date
1-602	Area and Continuous Monitoring Requirements	Ν	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
<b>Regulation 1</b>	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	startup date
1-522.7	emission limit exceedance reporting requirements	Y - note 1	startup date
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		startup date
Regulation 2, Rule 1	SIP approved 1/26/99 {adopted 11/01/89})		
2-1-403	Permit conditions requiring measurement of emissions	Ν	startup date
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	startup date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		startup date
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	startup date

### Table IV – A.35Source-specific Applicable RequirementsS-461 – UNIT 250, B-701 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-305	Visible Particles	Y	startup date
6-310.3	Particulate Weight Limitation	Y	startup date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	startup date
Manual of			
Procedures,			
Volume V			
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		startup date
40 CFR 60			
Subpart J			
60.100	Applicability	Y	startup date
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	startup date
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	startup date
	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	startup date
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	startup date
	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	startup date
60.106(a)	Test methods and procedures	Y	startup date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	startup date
NSPS	Appendix A to Part 60 – Test Methods	Y	startup date
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		startup date
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	startup date
Specification 7			
BAAQMD			startup date
Condition			
21096			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	startup date
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	startup date
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	after initial

<b>S-461 – UNIT 250, B-701 HEATER</b>			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
			performance
			test
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase, Toxic	Y, except for	after initial
	Management]	ammonia	performance
		limit (Toxic	test
		Management)	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	startup date
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	startup date
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	startup date
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	startup date
Part 8	Initial source test requirement [Basis: BACT, Cumulative Increase, Toxic Management]	Y, except for ammonia limit (Toxic Management)	90 days after startup
Part 9	Initial source test procedures TRS reporting requirements [Basis: BACT, Cumulative Increase, Toxic Management]	Y, except for ammonia limit (Toxic Management)	90 days after startup
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	startup date
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	startup date

### Table IV – A.35Source-specific Applicable RequirementsS-461 – UNIT 250, B-701 HEATER

Revision dated: December 16, 2004

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 RequirementsS-400 WET WEATHER WASTEWATER SUMPS-401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS 40 CFR 60 Subpart	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems		
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	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(3)	Record the location, date, and corrective action for inspections required by 60.692-2(c) when a problem is identified that could	Y	

## Table IV – BSource-specific Applicable RequirementsS-400 WET WEATHER WASTEWATER SUMPS-401 DRY WEATHER WASTEWATER SUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	result in VOC emissions.		
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	
BAAQMD Condition 1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-400, S-401 [Basis: 2-1-234.3]	Y	

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### Table IV - CSource-specific Applicable RequirementsS-324 API OIL/WASTEWATER SEPARATOR

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

### Table IV - CSource-specific Applicable RequirementsS-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.692-3 (a)	Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped and operated with a fixed roof which meets the following specifications:	Y	
60.692-3 (a)(1)	The fixed roof shall completely cover the separator tank, slop oil tank, storage vessel or other auxiliary equipment.	Y	
60.692-3 (a)(2)	The vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.	Y	
60.692-3 (a)(3)	Roof access doors or openings shall be gasketed, latched, and kept closed during operation, except during inspection and maintenance.	Y	
60.692-3 (a)(4)	Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter.	Y	
60.692-3 (a)(5)	When a broken seal or gasket or other problem is identified repairs shall be attempted as soon as practicable, but no later than 15 days later.	Y	
60.692-3 (e)	Slop oil from an oil-water separator and oily wastewater from slop oil handling equipment shall be collected, stored, transported, recycled, reused, or disposed of in an enclosed system.	Y	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(c)	Record the location, date, and corrective action for inspections required by 60.692-3(a) when a problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	

### Table IV - CSource-specific Applicable RequirementsS-324 API OIL/WASTEWATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspection have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	
BAAQMD Condition 1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	No detectable VOC from doors, hatches, covers or other openings [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for source S-324 [Basis: 2-1-234.3]	Y	

### Table IV – DSource-specific Applicable RequirementsS-1007 DISSOLVED AIR FLOTATION UNIT

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater (Oil-Water) Separator	Ν	
Regulation 8,			
Rule 8			

### Table IV – DSource-specific Applicable RequirementsS-1007 DISSOLVED AIR FLOTATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit	Y	Date
0-0-507	flocculation sump, basin, chamber or tank with a maximum	1	
	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 S-1007 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
Α			

# Table IV - ESource-specific Applicable Requirements – WastewaterPONDS/BIOTREATERS/SURFACE IMPOUNDMENTSS-381 AERATION TANK F-201S-382 AERATION TANK F-201S-383 CLARIFIER F-202S-383 CLARIFIER F-203S-384 CLARIFIER F-204

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

# Table IV - ESource-specific Applicable Requirements – Wastewater<br/>PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS<br/>S-381 AERATION TANK F-201<br/>S-382 AERATION TANK F-202<br/>S-383 CLARIFIER F-203<br/>S-384 CLARIFIER F-204

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition			
1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for sources S-381, S-382, S-383, S-384 [Basis:	Y	
Condition	2-1-234.3]		
20989, Part			
Α			

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

#### S-1009 MAIN STORMWATER BASIN

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

## Table IV - FSource-specific Applicable Requirements – WastewaterPONDS/BIOTREATERS/SURFACE IMPOUNDMENTSS-1008 PRIMARY STORMWATER BASIN

S-1009 MAIN STORMWATER BASIN

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 3	Records of wastewater diversions to S-1008, S-1009 [Basis:	Y	
	Cumulative Increase]		
BAAQMD	Throughput limits for sources S-1008, S-1009 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
Α			

#### Table IV – G

Source-specific Applicable Requirements – Miscellaneous Wastewater Sources Subject to Condition 1440

#### S-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207 S-386 – PAC REGENERATION SLUDGE THICKENER F-211 S-387 – WET AIR REGENERATION SYSTEM P-202 S-390 – THICKENED SLUDGE STORAGE F-106 S-392 – REGENERATED PAC SLURRY STORAGE F-266

		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 Increase]	Y	
BAAQMD	Throughput limits for sources S-385, S-386, S-387, S-390, S-392	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 Regulation 8, Rule 8	Wastewater (Oil-Water) Separator (6/15/94)	Ν	
8-8-308	Junction Box: equipped with either a solid, gasketed, fixed cover totally enclosing the junction box or a solid manhole cover. May include openings in the covers and vent pipes if the total open area of the junction box does not exceed 12.6 square inches and all vent pipes are at least 3 feet in length.	Y	
NSPS 40 CFR 60 Subpart QQQ	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems [APPLIES ONLY TO J-BOXES DOWNSTREAM OF S-400, S- 401 SUMPS]	N	
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater junction boxes are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (b)(1)	Junction boxes shall be equipped with a cover and may have an open vent pipe which is at least 3 feet in length and does not exceed 4 inches in diameter.	Y	
60.692-2 (b)(2)	Junction box covers shall have a tight seal around the edge and shall be kept in place at all times, except during inspection and maintenance.	Y	
60.692-2 (b)(3)	Junction box shall be visually inspected semiannually to ensure that the cover is in place and to ensure that the cover has a tight seal around the edge.	Y	
60.692-2 (b)(4)	If a broken seal or gap is identified, first effort at repair shall be ade as soon as practicable, but not later than 15 calendar days after the broken seal or gap is identified, except as provided in 60.692-6.	Y	
60.692-2 (e)	Refinery wastewater routed through new process drains and a new first common downstream junction box, shall not be routed through a downstream catch basin.	Y	
60.692-6(a)	Delay of repairs are allowed if the repair is technically impossible	Y	

### Table IV - HSource-specific Applicable RequirementsWASTEWATER JUNCTION BOXES

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next	Y	
	refinery or process unit shutdown.		
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
	provisions of Subpart QQQ.		
60.697(b)(2)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-2(b) when a broken seal, gap or other problem is		
	identified that could result in VOC emissions.		
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a	Y	
	process unit shutdown, record the expected date of a successful		
	repair.		
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		
	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.	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		
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be	Y	
	kept.		
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	Y	
	the required inspections have been carried out in accordance with		
	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		

### Table IV – ISource-specific Applicable RequirementsWASTEWATER PROCESS SEWERS/SEWER LINES – S-324 OIL/WATER SEPARATOR

ONLY

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS	Standards of Performance for VOC Emissions from Petroleum		
40 CFR 60	Refinery Wastewater Systems		
Subpart			
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		
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	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	Y	
	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 npoint cannot be repaired or corrected without a	Y	
	process unit shutdown, record the expected date of a successful		
	repair.		
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		
	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.		

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

ONLY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

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

		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 shall have a vapor tight cover, seal, or lid that is closed, except for inspection, maintenance, or wastewater sampling.	Y	
8-8-603	Vapor tight inspections shall be conducted using a portable gas detector as prescribed in EPA Reference Method 21 (40 CFR 60, Appendix A).	Y	

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

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

S-294 – NON-RETAIL GASOLINE DISPENSING FACILITY			
Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD Condition 7523	Gasoline throughput shall not exceed 400,000 gallons in any consecutive 12-month period. [Basis: Toxic Risk Policy]	N	
BAAQMD Condition 20989, Part	Throughput limits for S-294 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 18680			
Part 1	Operation and maintenance standards for vapor recovery system (CARB Executive Order VR-101)	N	
Part 2	36-month testing requirement	Ν	

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

## Table IV - LSource-specific Applicable RequirementsS-296 - C-1 FLARES-398 - MP-30 FLARE

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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 12-11			
12-11-401	Flare Data Reporting Requirements	Ν	
12-11-402	Flow Verification Report	Ν	
12-11-501	Vent Gas Flow Monitoring	Ν	12/4/04
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	Ν	
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	09/4/04
12-11-507	Video Monitoring	Ν	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60 Subpart J	[S-398 ONLY]		
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 1	Flaring rate limit [Basis: Regs 8-1-110.3, 2-1-403]	Y	12/1/04
Part 2	Hourly flare rate recordkeeping during flaring events [Basis: Regs 8-1-110.3, 2-6-409.2, 2-6-501]	Y	12/1/04
Part 3	Flaring event definition [Basis: Reg 2-6-409.2]	Y	12/1/04
Part 4	Flaring event inspection procedure [Basis: Regs 6-301, 2-1-403]	Y	12/1/04
Part 5	Flaring event compliance criteria [Basis: Reg 2-6-403]	Y	12/1/04
Part 6	Flaring event records [Basis: Regs 2-6-501, 2-6-409.2]	Y	12/1/04
Part 7	Limitation on type of flare gas processed at S-398 [Basis: Reg 2-1-403, 40 CFR 60.104(a)(1) for S-398]	Y	12/1/04

### Table IV - MSource-specific Applicable RequirementsS-300 – U-200 DELAYED COKER

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

### Table IV - MSource-specific Applicable RequirementsS-300 – U-200 DELAYED COKER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 21092			
Part 1	Throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3	Reporting requirement [Basis: Cumulative Increase]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	completion of A/C 5814 modification s
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	completion of A/C 5814 modification s
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	completion of A/C 5814 modification s
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	completion of A/C 5814 modification s
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	completion of A/C 5814 modification s
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	completion of A/C 5814 modification s

#### Table IV – N

#### Source-specific Applicable Requirements – Process Vessels S-304 – U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha Hydrotreater when Modified in accordance with A/C 5814) S-305 – U-230 Prefractionator / Naphtha Hydrotreater S-306 – U-231 Platforming Unit S-307 – U-240 Unicracking Unit S-308 – U-244 Reforming Unit S-308 – U-244 Reforming Unit S-309 – U-248 Unisar Unit S-318 – U-76 Gasoline / Mid-Barrel Blending Unit S-319 – U-215 Gasoline Fractionating Unit S-322 – U-40 Raw materials Receiving S-435 – Reformate Splitter S-436 – Deisopentanizer S-436 – Deisopentanizer S-437 – Hydrogen Plant S-460 – U-250 ULSD Hydrotreater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compound – Miscellaneous Operations (6/15/94)		
Regulation 8,			
Rule 2	APPLICABLE TO S-307 ONLY		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and	Y	
	300 ppm carbon on a dry basis		
BAAQMD	Organic Compound – 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 Compound – Process Vessel Depressurization (1/21/2004)		
Regulation 8,			
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	Ν	
	release to atmosphere		
8-10-302.2	Organic compound concentration of a refinery process vessel may	Ν	
	exceed 10,000 ppm prior to release to atmosphere provided total		
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	Ν	

#### Table IV – N

#### Source-specific Applicable Requirements – Process Vessels S-304 – U-229 MID-BARREL UNIONFINING UNIT (U-229 LIGHT NAPHTHA HYDROTREATER WHEN MODIFIED IN ACCORDANCE WITH A/C 5814) S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER S-306 – U-231 PLATFORMING UNIT S-307 – U-240 UNICRACKING UNIT S-308 – U-244 REFORMING UNIT S-308 – U-244 REFORMING UNIT S-309 – U-248 UNISAR UNIT S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT S-319 – U-215 GASOLINE FRACTIONATING UNIT S-322 – U-40 RAW MATERIALS RECEIVING S-435 – REFORMATE SPLITTER S-436 – DEISOPENTANIZER S-437 – HYDROGEN PLANT S-460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11	with initial report of process vessels due 4/1/2004.		
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 Compound – 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	

#### Table IV – N Source-specific Applicable Requirements – Process Vessels S-304 - U-229 MID-BARREL UNIONFINING UNIT (U-229 LIGHT NAPHTHA HYDROTREATER WHEN MODIFIED IN ACCORDANCE WITH A/C 5814) S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER S-306 – U-231 PLATFORMING UNIT S-307 – U-240 UNICRACKING UNIT S-308 – U-244 REFORMING UNIT **S-309 – U-248 UNISAR UNIT** S-318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT S-319 – U-215 GASOLINE FRACTIONATING UNIT S-322 - U-40 RAW MATERIALS RECEIVING S-435 – REFORMATE SPLITTER S-436 – DEISOPENTANIZER S-437 – HYDROGEN PLANT S-460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	Date
BAAQMD	APPLICABLE TO S-304 ONLY		
Condition			
21095			
Part 1	Daily throughput limit [Basis: 2-1-234]	Y	when modified in accordance with A/C 5814
Part 2	Daily throughput records [Basis: 2-1-234]	Y	when modified in accordance with A/C 5814
BAAQMD	APPLICABLE TO S-307 ONLY		
Condition 6671			
Part 1	Abatement requirement for E-421 condenser vent at A-50 scrubber [Basis: Regulation 8-2-301]	Y	
Part 2	Efficiency requirement for A-50 scrubber raw material throughput [Basis: Regulation 8-2-301]	Y	
Part 3	Requirement to treat A-50 blowdown at wastewater treatment plant [Basis: Cumulative Increase]	Y	

#### Table IV – N

#### Source-specific Applicable Requirements – Process Vessels S-304 – U-229 MID-BARREL UNIONFINING UNIT (U-229 LIGHT NAPHTHA HYDROTREATER WHEN MODIFIED IN ACCORDANCE WITH A/C 5814) S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER S-306 – U-231 PLATFORMING UNIT S-307 – U-240 UNICRACKING UNIT S-308 – U-244 REFORMING UNIT S-308 – U-248 UNISAR UNIT S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT S-319 – U-215 GASOLINE FRACTIONATING UNIT S-322 – U-40 RAW MATERIALS RECEIVING S-435 – REFORMATE SPLITTER S-436 – DEISOPENTANIZER S-437 – HYDROGEN PLANT S-460 – U-250 ULSD HYDROTREATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Daily A-50 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	APPLICABLE TO S-307 AND S-308 ONLY		
Condition 20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	
Part 2	Submittal requirement for Operation, Maintenance, and Monitoring Plan	Y	4/11/05
BAAQMD Condition 21094	APPLICABLE TO S-460 ONLY		
Part 1	Daily throughput limit [Basis: Regulation 2-1-234]	Y	startup date
Part 2	Throughput records [Basis: Regulation 2-1-234]	Y	startup date
BAAQMD Condition 21099	APPLICABLE TO S-304, S-460 ONLY		
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup/modi fication date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup/modi fication date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup/modi

#### Table IV – N Source-specific Applicable Requirements – Process Vessels S-304 - U-229 MID-BARREL UNIONFINING UNIT (U-229 LIGHT NAPHTHA HYDROTREATER WHEN MODIFIED IN ACCORDANCE WITH A/C 5814) S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER S-306 – U-231 PLATFORMING UNIT S-307 – U-240 UNICRACKING UNIT S-308 - U-244 REFORMING UNIT **S-309 – U-248 UNISAR UNIT** S-318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT S-319 – U-215 GASOLINE FRACTIONATING UNIT S-322 - U-40 RAW MATERIALS RECEIVING S-435 – REFORMATE SPLITTER S-436 – DEISOPENTANIZER S-437 – HYDROGEN PLANT S-460 – U-250 ULSD HYDROTREATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
			fication date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup/modi
			fication date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	startup/modi
			fication date
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	startup/modi
	Cumulative Increase, Toxic Management Policy]		fication date
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	Notification
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		by 8/9/02;
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		compliance
	[APPLICABLE TO S-307 AND S-308 ONLY]		by 4/11/05
BAAQMD	Throughput limits for S-304, S-305, S-306, S-307, S-435, S-436, S-	Y	
Condition	437 (S-304 only until modified in accordance with A/C 5814)		
20989, Part	[Basis: 2-1-234.3]		
Α			
BAAQMD	Throughput limits for S-308, S-309, S-318, S-319 [Basis: 2-1-	Ν	
Condition	234.3]		
20989, Part			
Α			

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### Table IV - OSource-specific Applicable RequirementsS-350 – U-267 CRUDE DISTILLATION UNIT

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – 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 Compound – Process Vessel Depressurization (1/21/2004)		
Regulation 8,			
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	Ν	
	release to atmosphere		
8-10-302.2	Organic compound concentration of a refinery process vessel may	Ν	
	exceed 10,000 ppm prior to release to atmosphere provided total		
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	Ν	
	with initial report of process vessels due 4/1/2004.		
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 Compound – 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	Y	
	process unit turnaround, and retained for at least 2 years and made		

### Table IV - OSource-specific Applicable RequirementsS-350 – U-267 CRUDE DISTILLATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
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, average daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Monthly recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative Increase]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	modification date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	modification date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	modification date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	modification date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	modification date
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	modification date

### Table IV - PSource-specific Applicable RequirementsS-432 – U-215 DEISOBUTANIZER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement Organic Compound – Process Vessel Depressurization (1/21/2004)	(Y/N)	Date
BAAQMD Regulation 8,	Organic Compound – Process Vesser Depressurization (1/21/2004)		
Rule 10			
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	N	
0 10 502.1	release to atmosphere	14	
8-10-302.2	Organic compound concentration of a refinery process vessel may	N	
8-10-302.2	exceed 10,000 ppm prior to release to atmosphere provided total	1	
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	N	
8-10-401	with initial report of process vessels due $4/1/2004$ .	IN	
0 10 501		57	
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 Compound – 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	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin	_	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD		-	
Condition			
6725			
Part 1	Flange, valve design requirements [Basis: Cumulative Increase]	Y	

### Table IV - PSource-specific Applicable RequirementsS-432 – U-215 DEISOBUTANIZER

	Federally	Future
Regulation Title or	Enforceable	Effective
Description of Requirement	(Y/N)	Date
Vent collection requirement for relief valves [Basis: Cumulative Increase]	Y	
Pump, compressor design requirements [Basis: Cumulative Increase]	Y	
Throughput limits for S-432 [Basis: 2-1-234.3]	Y	
	Description of Requirement         Vent collection requirement for relief valves [Basis: Cumulative Increase]         Pump, compressor design requirements [Basis: Cumulative Increase]	Regulation Title orEnforceableDescription of Requirement(Y/N)Vent collection requirement for relief valves [Basis: CumulativeYIncrease]

## Table IV – Q.1Source-specific Applicable RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Regulation 2, Rule 1	Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)		
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 Procedures, Volume V	(1/20/82)		
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	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	

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## Table IV – Q.1Source-specific Applicable RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-600	Manual of Procedures	Y	
9-9-601	NOx emissions: Manual of Procedures, Vol. IV, ST-13A or B	Y	
9-9-602	Oxygen emissions: Manual of Procedures, Vol. IV, ST-14	Y	
9-9-603	CEM: Manual of Procedures, Volume V	Y	
9-9-604	Determination of HHV and LHV	Y	
NSPS	Standards of Performance for Petroleum Refineries (10/2/90)		
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 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	
NSPS 40 CFR 60 Subpart GG	Standards of Performance for Stationary Gas Turbines (1/27/82)		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMBTU/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150	Y	

## Table IV – Q.1Source-specific Applicable RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	ppmv @ 15% O2 - in 60.333(a))		
60.334	Monitoring Requirements	Y	
60.334(b)	Fuel Sulfur Content	Y	
60.334(c)(2)	Excess Emissions – SO2	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis: 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	
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur	Y	

## Table IV – Q.1Source-specific Applicable RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1	measurements [Basis: Cumulative Increase]		
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 MM BTU/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	

# Table IV – Q.1Source-specific Applicable RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
<b>Regulation 1</b>			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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		
<b>Regulation 1</b>	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)		
<b>Regulation 6</b>			
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 (8/1/01)		
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,			

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

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	
NSPS	Standards of Performance for Industrial-Commercial-		
40 CFR 60	Institutional Steam Generating Units (3/13/00)		
Subpart Db			
60.40b(a)	Applicability	Y	
60.40b(c)	Affected facilities subject to Subpart J are subject to PM and NOx	Y	
<i></i>	standards in Subpart Db and SO2 standards in Subpart J		
60.40b(f)	Modification for the sole purpose of combusting gases containing	Y	
	TRS is not a modification		
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	Y	
	natural gas-firing only conditions		
60.44b(e)	NOx standard for refinery-produced byproduct (i.e., fuel gas) with	Y	
	oil or natural gas combustion.		
60.44b(f)	NOx standard for refinery-produced byproduct with oil or natural	Y	
	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).		
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	Y	
	NOx discharges		
60.48b(c)	Record data during all periods of operation of CEM except during	Y	
	breakdown and repairs		

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	except for gas burned as a result of process upset or gas burned at	(2/2))	2000
	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	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
BAAQMD			
Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis: BACT, Cumulative Increase]	Y	
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis:	Y	
	Cumulative Increase]		
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur	Y	
	measurements [Basis: Cumulative Increase]		
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 MM BTU/hr firing rate limit for each of 3 turbine/duct burner	Y	
	sets		
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 RequirementsS-376 - TOOL ROOM COLD CLEANERS-377 – MACHINE SHOP COLD CLEANER

#### S-378 – 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	

# Table IV - RSource-specific Applicable RequirementsS-376 - TOOL ROOM COLD CLEANERS-377 – MACHINE SHOP COLD CLEANERS-378 – AUTO SHOP COLD CLEANER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-16-303	Cold Cleaner Requirements	N	
8-16-303.1	General Operating Requirements	N	
8-16-303.3.1	Operate and maintain in proper working order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16- 303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Ν	
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 Cleaning	Ν	
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely methylated siloxane (VMS)	Ν	
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 Cleaning	Ν	
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	
0-10-303		1 1000 1	

## Table IV - RSource-specific Applicable RequirementsS-376 - TOOL ROOM COLD CLEANERS-377 – MACHINE SHOP COLD CLEANERS-378 – AUTO SHOP COLD CLEANER

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

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

### Table IV - SSource-specific Applicable RequirementsS-425 – MARINE LOADING BERTH M1S-426 – MARINE LOADING BERTH M2

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Marine Vessel Loading Terminals (1/4/89)	Y	
Regulation 8,			
Rule 44			
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	
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	

### Table IV - SSource-specific Applicable RequirementsS-425 – MARINE LOADING BERTH M1S-426 – MARINE LOADING BERTH M2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	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			
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for	Y	
	Source Categories		
NESHAPS	National Emission Standards for Marine Tank Vessel Loading		
Part 63	Operations		
Subpart Y			
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(1)	Emission estimation procedures	Y	
63.567(j)(4)	Retain records of emission estimates per 63.565(l), and actual throughputs, by commodity, for 5 years	Y	
BAAQMD			
Condition			
4336			
Part 1	A-420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	monitoring requirements [Basis: Cumulative Increase]	Y	

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### Table IV - SSource-specific Applicable RequirementsS-425 – MARINE LOADING BERTH M1S-426 – MARINE LOADING BERTH M2

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 3	prohibition against loading without A-420 in service [Basis: Cumulative Increase]	Y	
Part 4	leak test requirement [Basis: Cumulative Increase]	Y	
Part 5	maximum loading pressure relative to relief valve setpoint [Basis: Cumulative Increase]	Y	
Part 6	throughput limit for regulated materials [Basis: Cumulative Increase]	Y	
Part 7	recordkeeping requirement [Basis: Cumulative Increase]		
BAAQMD Condition 20989, Part A	Throughput limits for sources S-425, S-426 [Basis: 2-1-234.3]	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future 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 – USource-specific Applicable RequirementsS-1001 - SULFUR PLANT UNIT 234 , S-1002 - SULFUR PLANT UNIT 236S-1003 - SULFUR PLANT UNIT 238, S-301 - MOLTEN SULFUR PIT 234S-302 - MOLTEN SULFUR PIT 236 AND S-303 - MOLTEN SULFUR PIT 238

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
<b>Regulation 6</b>			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	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).	Ν	
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2			
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	Notification
Subpart UUU	Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units (4/11/02)		by 8/9/02; compliance by 4/11/05
BAAQMD			-
Condition 19278			
Part 1	Annual source test requirement to verify H2S and ammonia removal efficiency. [Basis: Regulation 9-1-313.2]	Y	
Part 2	H2S and ammonia source test reporting requirement.	Y	1
Part 3	Annual source test to verify SO3 and H2SO4 exhaust concentrations. [Basis: Regulation 6-330]	Y	

#### Table IV – U

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	
Part 2	Submittal requirement for Operation, Maintenance, and Monitoring Plan	Y	4/11/05
BAAQMD Condition 21099	APPLICABLE TO S-1002, S-1003 ONLY		
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	modification date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	modification date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	modification date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	modification date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	modification date
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	modification date
BAAQMD Condition 20989, Part A	Throughput limits for sources S-1001, S-1002, S-1003, S-301, S- 302, S-303 [Basis: 2-1-234.3]	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 – VSource-specific Applicable RequirementsS-370 – ISOMERIZATION UNIT 228

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 10	Organic Compound – Process Vessel Depressurization (1/21/2004)		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	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	N	
8-10-601	Monitoring Procedures	Ν	
SIP Regulation 8, Rule 10	Organic Compound – Process Vessel Depressurization (7/20/83)		
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg:	Y	
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 12121			
			1

Y

Daily feed rate limit [Basis: Cumulative Increase]

Part 1

### Table IV – VSource-specific Applicable RequirementsS-370 – ISOMERIZATION UNIT 228

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for S-370 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
Α			

### Table IV – WSource-specific Applicable RequirementsS-380 – ACTIVATED CARBON SILO (P-204)

articulate Matter and Visible Emissions (12/19/90) ingelmann Number 1 Limitation isible Particles articulate Weight Limitation eneral Operations (process weight rate limitation) ppearance of Emissions	Y Y Y Y	
isible Particles articulate Weight Limitation eneral Operations (process weight rate limitation)	Y Y Y	
isible Particles articulate Weight Limitation eneral Operations (process weight rate limitation)	Y Y Y	
articulate Weight Limitation eneral Operations (process weight rate limitation)	Y	
eneral Operations (process weight rate limitation)	-	
ppearance of Emissions	Y	
ppeuluitee of Limboloub	Y	
batement requirement [Basis: Regulation 2-1-234]	Y	
ifferential pressure monitor requirement [Basis: Regulation 1- 41]	Y	
aghouse differential pressure monitoring requirement [Basis: egulation 1-441]	Y	
ifferential pressure recordkeeping requirement [Basis: Regulation 441]	Y	
hroughput limits for S-380 [Basis: 2-1-234.3]	Y	
4 e	1] Inghouse differential pressure monitoring requirement [Basis: Ingulation 1-441] Ifferential pressure recordkeeping requirement [Basis: Regulation 1441]	1]     Image: Second state       1]     Image: Second state </td

Applicable	S-389 – DIATOMACEOUS EARTH SILO (F-2 Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
District	Particulate Matter and Visible Emissions (12/19/90)			
<b>Regulation 6</b>				
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-	Y		
	441]			
Part 2c	Baghouse differential pressure monitoring requirement [Basis:	Y		
	Regulation 1-441]			
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation	Y		
	1-441]			
BAAQMD	Throughput limits for S-389 [Basis: 2-1-234.3]	Y		
Condition				
20989, Part				
Α				

### Table IV – XSource-specific Applicable RequirementsS-389 – DIATOMACEOUS EARTH SILO (F-214)

### Table IV – YSource-specific Applicable RequirementsS-462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEMS-463 – 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 S-462, S-463 [Basis: 2-1-234.3]	Y	startup date
Condition			
20989, Part			
Α			

### Table IV – YSource-specific Applicable RequirementsS-462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEMS-463 – U-215 BUTANE CAUSTIC TREATMENT SYSTEM

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup date startup date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
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,	BACT, Y star	
	Cumulative Increase, Toxic Management Policy]		

	Table IV- AAFugitive Sources: Applicable Requirements								
Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Refinery-wide applicability	Y	Y	N	N	N	N	Report only	N	Y
Specific Unit applicability									
Unit 267 (S-350)	Y	Y	Y	N	Y	Ν	N	Ν	Y
Unit 228 (S-370)	Y	Y	Y	N	Y	N	N	N	Y
Unit 110 (S-438)	Y	Y	Y	N	Y	Ν	N	N	Y

	Table IV- AA         Fugitive Sources: Applicable Requirements								
Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Unit 100 (S-324, S- 1007, S-388 per Condition 1860, Part 3)	Y	Y	N	Y	N	N	N	N	Y
Unit 233 (S-338)	Y	Y	NA	NA	NA	NA	NA	NA	NA

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Equipment Leaks (11/27/02)		
Regulation 8-18			
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		
<b>Regulation 8-28</b>	Refineries and Chemical Plants (3/18/98)		
8-28-100	General/Applicability	Y	
8-28-200	Definitions	Y	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum	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	
8-28-405	Prevention Measures Procedures	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS Part 60			
Subpart GGG			
applies to the S-			
350 crude unit, S-			
370 isomerization			
unit, S-438			
hydrogen plant			
NSPS Part 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)		
40 CFR 60.590	Applicability	Y	
60.591	Definitions	Y	
60.592	Subject to provisions of Part 60, Subpart VV	Y	
60.593	Exceptions	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart GGG	Y	
Regulation 10-59			
NSPS Part 60			
Subpart QQQ			
applies to the S-			
1007 dissolved air			
flotation unit and			
the S-324 DAF			
unit.			
NSPS Part 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)		
40 CFR 60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-5	Closed-vent systems and control devices Standards	Y	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	

### Table IV – ABApplicable RequirementsCOMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Incorporates by reference 40 CFR 60 Subpart QQQ	Y	
Regulation 10-69			
NSPS Part 60			
Subpart VV			
applies to the			
S-350 crude unit,			
S-370			
isomerization			
unit, S-438			
hydrogen plant			
NSPS Part 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),	Y	
	60.482-2(d), (e), or (f)		
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	
60.482-7(d)	Valve leak repair period	Y	
60.482-8	Pumps in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-3	Compressor Standards	Y	
60.482-4	Requirements for Pressure Relief Devices in gas/vapor service	Y	
60.482-5	Requirements for Sampling connecting systems	Y	
60.482-6	Requirements for Open-ended valves or lines	Y	

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

### Table IV – ABApplicable RequirementsCOMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.482-7	Valve Standards:	Y	Dute
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(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7(f)	Designated no-emissions (<500 ppm) valves with no external	Y	
	actuating mechanisms in contact with process fluid, may revert to		
	annual monitoring, or that requested by the Administrator		
60.482-8	Valves in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-8	Pressure Relief Devices in liquid service and Flanges and other	Y	
	Connectors Standards		
60.482-10	Requirements for Closed-vent systems and control devices	Y	
60.483-1, 60.483-	If a process unit has 5 consecutive quarters with <2% of valves	Y	
2, and BAAQMD	leaking at >10,000 ppm, then any individual valve which measures		
8-18-404.1	<100 ppm for 5 consecutive quarters may be monitored annually		
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart VV	Y	
Regulation 10-52			
NESHAP Part 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		

### Table IV – ABApplicable RequirementsCOMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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 – B1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S-433 (F224-MOSC)

		1	
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)		
<b>Regulation 8,</b>	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(6/15/1994)		
Rule 8	<b>REQUIREMENTS FOR SLUDGE DEWATERING UNITS</b>		
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	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

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

	S-433 (F224-MOSC)		
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
NSPS Title 40	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
Part 60 Subpart	Wastewater Systems		
QQQ	REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS		
40 CFR	Applicability and Designation of Affected Facility	Y	
60.690(a)(1)			
40 CFR	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)			
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated	Y	
	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.		
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-	Standards: General	Y	
1(a)			
40 CFR 60.692-	Standards: General	Y	
1(b)			
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(1)		N/	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(2) 40 CFR 60.692-	Standarda, Oil Watar Samaratar (includes stars as succeds)	Y	
40 CFR 60.692- 3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Ŷ	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 00.092- 3(a)(4)	Standards. On-water Separators (includes storage vessers)	1	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)	Standards. On-water Separators (menudes storage vessers)	1	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(f)	Sundarus. On Water Separators (menades storage vessers)	1	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-	Standards: Delay of Repair	Y	
6(a)		-	
40 CFR 60.692-	Standards: Delay of Repair	Y	
6(b)	· · · · · · · · · · · · · · · · · · ·		
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Record keeping Requirements	Y	
40 CFR 60.697(c)	Record keeping Requirements	Y	
40 CFR	Record keeping Requirements	Y	
60.697(e)(1)	r O 1		
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(2)			

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

5-455 (F224-WOSC)		
Recordkeeping Requirements	Y	
Recordkeeping Requirements	Y	
Recordkeeping Requirements	Y	
Recordkeeping Requirements	Y	
	Y	
REQUIREMENTS FOR RECORDKEEPING ONLY		
	Y	
	Y	
Monitoring of Operations; Record retention	Y	
Monitoring of Operations; Permanent record requirements	Y	
Monitoring of Operations; Determine TVP	Y	
Monitoring of Operations; Determine TVP-other liquids	Y	
	Y	
	Y	
APPLICABLE TO S-433		
Descriptions and the sumt tends to final and suptom [Desire Computations	V	
Increase]	Ŷ	
-	Y	
Requirement to verify exempt status of tank based on true vapor	Y	
pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
	Recordkeeping Requirements         Recordkeeping Requirements         Recordkeeping Requirements         Reporting Requirements         NSPS Subpart Kb for Tanks (12/14/2000)         REQUIREMENTS FOR RECORDKEEPING ONLY         Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984         Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m         Monitoring of Operations; Record retention         Monitoring of Operations; Determine TVP         Monitoring of Operations; Determine TVP-other liquids         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         APPLICABLE TO S-433         Requirement to vent tank to fuel gas system [Basis: Cumulative Increase]         Valve, pump design requirements [Basis: Cumulative Increase]         Limitation on material stored [Basis: Cumulative Increase]         Limitation no material stored [Basis: Recordkeeping]	Recordkeeping Requirements       Y         Reporting Requirements       Y         NSPS Subpart Kb for Tanks (12/14/2000)       Y         ReQUIREMENTS FOR RECORDKEEPING ONLY       Y         Applicability and Designation of Affected Facility; Volatile organic       Y         liquid storage vessels > or = to 40 cu m, after 7/23/1984       Y         Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m       Y         Monitoring of Operations; Record retention       Y       Y         Monitoring of Operations; Determine TVP       Y       Y         Monitoring of Operations; Determine TVP-other liquids       Y       Y         Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40       Y       CFR 60.116b(d) for tanks with closed vent system and control device         APPLICABLE TO S-433       Image: Cumulative Increase]       Y       Y         Valve, pump design requirements [Basis: Cumulative Increase]       Y       Image: Cumulative Increase]       Y         Valve, throughput limit [Basis: Cumulative Increase]       Y       Image: Cumulative Increase]       Y       Iman

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## Table IV – B2Source-Specific Applicable RequirementsLow VAPOR PRESSURE PERMITTED TANKSSUBJECT TO MACT RECORDKEEPINGS-118 (TANK 163)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group	Y	
63.646(b)(1)	determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18	Y	
63.646(b)(2)	to resolve disputes		
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping RequirementsRecordkeepingRecord 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	Throughput limits for source S-118 [Basis: 2-1-234.3]	N	
Condition 20989, Part A			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	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	Throughput limits for sources S-117, S-193, S-194 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			

## Table IV – B4Source-Specific Applicable RequirementsLOW VAPOR PRESSURE PERMITTED TANKSVENTED TO FUEL GASS-238 (TANK 211), S-239 (TANK 212)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989,	Throughput limits for sources S-238, S-239 [Basis: 2-1-234.3]	N	

# Table IV – B4Source-Specific Applicable RequirementsLow VAPOR PRESSURE PERMITTED TANKSVENTED TO FUEL GASS-238 (TANK 211), S-239 (TANK 212)

Part A				

## Table IV – B5Source-Specific Applicable RequirementsNSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOFWASTEWATER SLUDGE TANKSS-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(6/15/1994)		
Rule 8	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	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart CC	Petroleum Refining (8/18/95)		
_	REQUIREMENTS FOR TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage VesselsExisting Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	

### Table IV – B5Source-Specific Applicable RequirementsNSPS KB Low VAPOR PRESSURE PERMITTED FIXED ROOFWASTEWATER SLUDGE TANKS

#### S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)	······································		
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
	variable composition)		
NSPS Title 40 Part	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	Wastewater Systems		
	REQUIREMENTS FOR STORAGE VESSELS NOT SUBJECT		
	TO NSPS Kb CONTROL REQUIREMENTS (60.112b)		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(1)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(2)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(3)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(4)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)	Que le la Ol Weter Constant (in 1 de stantes (in 1))	V	
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y Y	
40 CFR 60.692-6 40 CFR 60.692-6(a)	Standards: Delay of Repair Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(0) 40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1) 40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2) 40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y Y	
40 CFR 60.697(e)(3) 40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4) 40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y Y	
40 CFR 60.697(1)(1) 40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y Y	
40 CFR 60.697(1)(2) 40 CFR 60.698(c)	Reporting Requirements	Y	
BAAQMD	APPLICABLE TO S-388	I	
Condition 1860	AFFLICADLE IU 5-300		
Part 1	No detectable VOC emissions [Basis: Cumulative Increase]	Y	
1 411 1	The detectable were emissions [Dasis. Cumulative melease]	1	

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#### Table IV – B5 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED FIXED ROOF WASTEWATER SLUDGE TANKS

Part 2	Requirement to vent to fuel gas recovery system [Basis: Cumulative Increase]	Y	
Part 3	Requirement to include S-388 in fugitive inspection program to verify compliance with Part 1 [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-195 [Basis: 2-1-234.3]	Ν	
BAAQMD Condition 20989, Part A	Throughput limits for source S-196, S-388 [Basis: 2-1-234.3]	Y	

### Table IV – B6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS-121 (TANK 166)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	

### Table IV – B6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS-121 (TANK 166)

	S-121 (TANK 100)		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
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	

### Table IV – B6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS-121 (TANK 166)

	<b>S-121 (TANK 100)</b>		
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	Y	
	<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; Primary and	Y	
	Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings	Y	
	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 24	Y	
	months		
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	
NESHAPS Title	SOCMI HON G (01/27/1995)		
40 Part 63	<b>REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY</b>		
Subpart G			
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
63.119(a)(3)	storage vessels comply only with recordkeeping requirements in 40 CFR		
	63.123(a)		
40 CFR	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
63.123(a)	only required to keep tank dimensions and capacity analysis. Retain for		
	life of source.		
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	<b>REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY</b>		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group	Y	
63.646(b)(1)	determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18	Y	
63.646(b)(2)	to resolve disputes		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)	vessels – Keep records specified in 40 CFR 63.123		
40 CFR	vessels – Keep records specified in 40 CFR 63.123 Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
	vessels – Keep records specified in 40 CFR 63.123	Y	

### Table IV – B6Source-Specific Applicable RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS-121 (TANK 166)

40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
BAAQMD	Throughput limits for source S-121 [Basis: 2-1-234.3]	Ν	
Condition			
20989, Part A			

### Table IV – B7Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),S-444 (TANK 243), S-451 (TANK 695)

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

# Table IV – B7Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),S-444 (TANK 243), S-451 (TANK 695)

	minimization of emissions		1
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
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	

# Table IV – B7Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),S-444 (TANK 243), S-451 (TANK 695)

	5-444 (IANK 245), 5-451 (IANK 095)		
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; Primary	Y	
	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 24 months	Y	
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	
NESHAPS 40 CFR	National Emission Standards for Hazardous Pollutants for		
63 Subpart CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsExisting Group 1 or Group 2 also subject to Kb		
	only subject to Kb and 63.640(n)(8).		
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(i)	Storage VesselsAdditional requirements for Kb storage vessels	Y	
40 CFR	Applicability and Designation of Affected Source Overlap for	Ŷ	
63.640(n)(8)(ii) 40 CFR	Storage VesselsAdditional requirements for Kb storage vessels Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iii)	Storage VesselsAdditional requirements for Kb storage vessels	1	
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iv)	Storage VesselsAdditional requirements for Kb storage vessels	1	
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(v)	Storage VesselsAdditional requirements for Kb storage vessels	1	
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(vi)	Storage VesselsAdditional requirements for Kb storage vessels		
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
-	TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y	
-10  CFR 00.1120(a)	Standard for volatile Organic Compounds (vOC), Requirement for	1	

# Table IV – B7Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),S-444 (TANK 243), S-451 (TANK 695)

<u> </u>	5-444 (IANK 245), 5-451 (IANK 075)		1
	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		
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)	roof option		
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(i)	roof seal requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(i)(A)	roof primary seal requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(i)(B)	roof secondary seal requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(ii)	roof openings requirements	-	
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(iii)	roof floating requirements	-	
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
60.113b(b)(1)	frequency	1	
40 CFR	Testing and Procedures; External floating roof primary seal gaps	Y	
60.113b(b)(1)(i)	measurement frequency	1	
40 CFR	Testing and Procedures; External floating roof secondary seal gaps	Y	
60.113b(b)(1)(ii)	measurement frequency	I	
40 CFR	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(1)(iii)	resting and riocedures, External noating roor reinfroduction of VOL	I	
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
40 CFR 60.113b(b)(2)	procedures	I	
40 CFR	1	Y	
	Testing and Procedures; External floating roof measure seal gaps	Ŷ	
60.113b(b)(2)(i)	when roof is floating	Y	
40 CFR	Testing and Procedures; External floating roof measure seal gaps	Ŷ	
60.113b(b)(2)(ii)	around entire circumference	<b>1</b> 7	
40 CFR	Testing and Procedures; External floating roof seal method to	Y	
60.113b(b)(2)(iii)	determine surface area of seal gaps		
40 CFR	Testing and Procedures; External floating roof method to calculate	Y	
60.113b(b)(3)	total surface area ratio		-
40 CFR	Testing and Procedures; External floating roof seal gap repair	Y	
60.113b(b)(4)	requirements		
40 CFR	Testing and Procedures; External floating roof primary seal gap	Y	
60.113b(b)(4)(i)	limitations		
40 CFR	Testing and Procedures; External floating roof mechanical shoe	Y	
60.113b(b)(4)(i)(A)	primary seal requirements		
40 CFR	Testing and Procedures; External floating roof primary seals no	Y	
60.113b(b)(4)(i)(B)	holes, tears, openings		
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)	limitations		
40 CFR	Testing and Procedures; External floating roof secondary seal	Y	
60.113b(b)(4)(ii)(A)	installation		
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	

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# Table IV – B7Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112),S-444 (TANK 243), S-451 (TANK 695)

60.113b(b)(4)(ii)(B)			
40 CFR	Testing and Procedures; External floating roof secondary seals no	Y	
60.113b(b)(4)(ii)(C)	holes, tears, openings	1	
40 CFR	Testing and Procedures; External floating roof 30-day extension	Y	
60.113b(b)(4)(iii)	request for seal gap repairs	1	
40 CFR	Testing and Procedures; External floating roof seal gap inspections	Y	
60.113b(b)(5)	30 day notification	1	
40 CFR	Testing and Procedures; External floating roof visual inspection when	Y	
60.113b(b)(6)	emptied and degassed	1	
40 CFR	Testing and Procedures; External floating roofroof or seal defect	Y	
60.113b(b)(6)(i)	repairs	1	
40 CFR	Testing and Procedures; External floating roof notification prior to	Y	
60.113b(b)(6)(ii)	filling	-	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks;	Y	
	Record retention	-	
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
	floating		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(2)	floating roof seal gap measurement report – content requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(3)	floating roof seal gap measurement records requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(4)	floating roof seal gap exceedance report		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-crude oil and refined	Y	
60.116b(e)(2)	petroleum		
BAAQMD	APPLICABLE TO S-439		
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 S-440		
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	APPLICABLE TO S-442		
Condition 12127			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
	· · · · · · · · · · · · · · · · · · ·		

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

BAAQMD	APPLICABLE TO S-444		
Condition 12129			
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 S-451		
Condition 19476			
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	

# Table IV – B8Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER<br/>EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8,	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS	37	
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	Y	

# Table IV – B8Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER<br/>EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

	prior notification	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-106)	Y
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-106)	Y
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-106)	Y
8-5-304	Requirements for External Floating Roofs	Y
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y
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	Y

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# Table IV – B8Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER<br/>EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

	5-101 (1ANK 104), 5-102 (1ANK 105), 5-106 (1A	NK 130)	
	Geometry of shoe		
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	Y	
	installed after September 4, 1985		
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; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-106)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S- 106)	Y	
BAAQMD · Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994) REQUIREMENTS FOR WASTEWATER SEPARATORS		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min)	Y	
8-8-302.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals	Y	
8-8-302.2.1	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – liquid mounted primary seal gap criteria	Y	
8-8-302.2.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double	Y	

# Table IV – B8Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER<br/>EQUILIZATION TANKSEQUILIZATION TANKSS-101 (TANK 104)S-102 (TANK 105)S-106 (TANK 130)

seals - secondary and wiper seals gap criteria		S-101 (TANK 104), S-102 (TANK 105), S-106 (TA	ank 130)	
Liters per second (300 gal per min); Floating roof tank with double seals – primary and secondary seal gap inspection8-8-303Standards: Gauging and Samphing DevicesY8-8-503Monitoring and Records: Inspection and Repair RecordsY8-8-603Manual of Procedures: Inspection ProceduresY40 CFR 63 Subpart CCNational Emission Standards for Hazardous Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCESY40 CFRWastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)Y40 CFR 63.654(a)Reporting and Recordkeeping Requirements: Wastewater - no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streamsY40 CFR 60.110b(a)Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984Y40 CFR 60.112b(a)Standard for Volatile Organic Compounds (VOC); External floating roof optionY40 CFR 60.112b(a)Standard for Volatile Organic Compounds (VOC); External floating roof potionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof potionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof potionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof optionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof optionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating 		seals – secondary and wiper seals gap criteria		
8-8-503       Monitoring and Records: Inspection and Repair Records       Y         8-8-504       Monitoring and Records: Portable Hydrocarbon Detector       Y         40 CFR 63 Subpart       National Emission Standards for Hazardous Pollutants for Petroleum Refining (818/95)       Y         40 CFR       Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)       Y         40 CFR       Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)       Y         40 CFR 63.654(a)       Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams       Y         40 CFR 60.110b(a)       Applicability and Designation of Affected Facility; Volatile organic Hiquid storage vessels $> \sigma = to 40$ cu m, after 7/23/1984       Y         40 CFR 60.112b(a)       Applicability and Designation of Affected Facility; Volatile organic Protogene and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>= 27.6$ kPa and $< 76.6$ kPa; or >= 75 cu m and $< 151$ cu m with maximum TVP $>$	8-8-302.2.3	Liters per second (300 gal per min); Floating roof tank with double	Y	
8-8-504       Monitoring and Records: Portable Hydrocarbon Detector       Y         8-8-603       Manual of Procedures: Inspection Procedures       Y         40 CFR 63 Subpart       National Emission Standards for Hazardous Pollutants for         CC       Petroleum Refining (8/18/95)         REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES         40 CFR       Wastewater streams and treatment operations associated with       Y         63.640(c)(3)       petroleum refining process units meeting the criteria of section       63.640(a)         40 CFR 63.654(a)       Reporting and Recordkeeping Requirements: Wastewater – no       Y         reporting and recordkeeping requirements for wastewater except for       Group 1 wastewater streams       Y         60 Subpart Kb       REQUIREMENTS FOR EXTERNAL FLOATING ROOF       Y         tanks> 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or	8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-504       Monitoring and Records: Portable Hydrocarbon Detector       Y         8-8-603       Manual of Procedures: Inspection Procedures       Y         40 CFR 63 Subpart       National Emission Standards for Hazardous Pollutants for         CC       Petroleum Refining (8/18/95)         REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES         40 CFR       Wastewater streams and treatment operations associated with         63.640(c)(3)       petroleum refining process units meeting the criteria of section         63.640(a)       0 CFR 63.654(a)         40 CFR 63.654(a)       Reporting and Recordkeeping Requirements: Wastewater – no         reporting and recordkeeping requirements for wastewater except for       Y         60 Subpart Kb       REQUIREMENTS FOR EXTERNAL FLOATING ROOF         7 ANKS       Regurements FOR and CVC); Requirement for         40 CFR 60.112b(a)       Standard for Volatile Organic Compounds (VOC); Requirement for         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating	8-8-503	Monitoring and Records: Inspection and Repair Records	Y	
8-8-603       Manual of Procedures: Inspection Procedures       Y         40 CFR 63 Subpart       National Emission Standards for Hazardous Pollutants for       Y         40 CFR       Wastewater streams and treatment operations associated with       Y         63.640(c)(3)       petroleum refining (%18/95)         40 CFR 63.654(a)       Definitions: Group 1 and Group 2 Wastewater Streams       Y         40 CFR 63.654(a)       Reporting and Recordkeeping Requirements: Wastewater - no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams       Y         40 CFR 60.110b(a)       Reporting and Record (2/14/2000)       REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS         40 CFR 60.110b(a)       Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, afte 7/23/1984       Y         40 CFR 60.112b(a)       Standard for Volatile Organic Compounds (VOC); External floating Y 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; or >= 75 cu m and < 151 cu m with maximum TVP >=27.6 kPa and <76.6 kPa; or option	8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
40 CFR 63 Subpart CC       National Emission Standards for Hazardous Pollutants for Petroleum Refining (%18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES         40 CFR       Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)       Y         40 CFR 63.641       Definitions: Group 1 and Group 2 Wastewater Streams       Y         40 CFR 63.654(a)       Reporting and Recordkeeping requirements: Wastewater - no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams       Y         40 CFR 60.110b(a)       NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS       Y         40 CFR 60.110b(a)       Applicability and Designation of Affected Facility: Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984       Y         40 CFR 60.112b(a)       Standard for Volatile Organic Compounds (VOC); Requirement for tanks-> 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating to of secondary seal requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y       Y         60.112b(a)(2)(i)       roof secondary seal requirements       Y         40 CFR	8-8-603		Y	
CC         Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES           40 CFR         Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)         Y           40 CFR 63.654(a)         Definitions: Group 1 and Group 2 Wastewater Streams         Y           40 CFR 63.654(a)         Reporting and Recordkeeping Requirements: Wastewater - no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams         Y           80 Subpart Kb         NSPS Stile 40 Part REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS         Y           40 CFR 60.110b(a)         Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984         Y           40 CFR 60.110b(a)         Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984         Y           40 CFR 60.112b(a)         Standard for Volatile Organic Compounds (VOC); Requirement for Y tanks-> 151 cu m with maximum TVP >= 52. kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa         Y           40 CFR         Standard for Volatile Organic Compounds (VOC); External floating Or primary seal requirements         Y           40 CFR         Standard for Volatile Organic Compounds (VOC); External floating Y         Y           60.112b(a)(2)(i)(A)         roof primary seal requirements         Y	40 CFR 63 Subpart	National Emission Standards for Hazardous Pollutants for		
63.640(c)(3)       petroleum refining process units meeting the criteria of section         63.640(a)       Definitions: Group 1 and Group 2 Wastewater Streams       Y         40 CFR 63.654(a)       Reporting and Recordkeeping Requirements: Wastewater - no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams       Y         80 CFR 63.654(a)       Reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams       Y         80 Subpart Kb       NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS       Y         40 CFR 60.110b(a)       Applicability and Designation of Affected Facility; Volatile organic Iiquid storage vessels > or = to 40 cu m, after 7/23/1984       Y         40 CFR 60.112b(a)       Standard for Volatile Organic Compounds (VOC); Requirement for tanks> 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	-	Petroleum Refining (8/18/95)		
40 CFR 63.654(a)       Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams       Y         80 CFR 63.654(a)       NSPS Subpart Kb for Tanks (12/14/2000)       Y         60 Subpart Kb       REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS       Y         40 CFR 60.110b(a)       Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984       Y         40 CFR 60.112b(a)       Standard for Volatile Organic Compounds (VOC); Requirement for tanks-> 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or >= 75 cu m and <151 cu m with maximum TVP >= 27.6 kPa and <76.6 kPa; or >= 75 cu m and <151 cu m with maximum TVP >= 27.6 kPa and <76.6 kPa; or or of option		petroleum refining process units meeting the criteria of section	Y	
reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams         NSPS Title 40 Part 60 Subpart Kb for Tanks (12/14/2000) 60 Subpart Kb         40 CFR 60.110b(a)       Applicability and Designation of Affected Facility; Volatile organic Iquid storage vessels > or = to 40 cu m, after 7/23/1984         40 CFR 60.112b(a)       Standard for Volatile Organic Compounds (VOC); Requirement for tanks> 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and <76.6 kPa; or >= 76.6 kPa         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y         60.112b(a)(2)       roof option         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y         60.112b(a)(2)       roof option         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y         60.112b(a)(2)(i)       roof option         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y         60.112b(a)(2)(i)(A)       roof primary seal requirements         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y         60.112b(a)(2)(i)(B)       roof secondary seal requirements         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating Y         60.112b(a)(2)(i)(B)       roof secondary seal requirements         40 CFR       Standard for Volati	40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
60         Subpart Kb         REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS           40         CFR 60.110b(a)         Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984         Y           40         CFR 60.112b(a)         Standard for Volatile Organic Compounds (VOC); Requirement for tanks> 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof option         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof option         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements         Y           40         CFR         Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements         Y           40         CFR         Standard for Vol	40 CFR 63.654(a)	reporting and recordkeeping requirements for wastewater except for	Y	
liquid storage vessels > or = to 40 cu m, after 7/23/198440 CFR 60.112b(a)Standard for Volatile Organic Compounds (VOC); Requirement for tanks> 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof optionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof optionY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof primary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRTesting and Procedures; External floating roof seal gap measurement frequencyY40 CFRTesting and Procedures; External floating roof primary seal gap		REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
$ \begin{array}{ c c c c c c } 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; or >= 75 cu m and <151 cu m with maximum TVP>= 27.6 kPa and <76.6 kPa & 0 CFR & 0 Standard for Volatile Organic Compounds (VOC); External floating Y & 0.112b(a)(2) & roof option & 0 & 0 & 0 \\ \hline 40 CFR & 0 & 0 & 0 & 0 & 0 & 0 \\ \hline 40 CFR & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \hline 40 CFR & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i) & roof seal requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i)(A) & roof primary seal requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i)(B) & roof secondary seal requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i)(B) & roof secondary seal requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i)(B) & roof secondary seal requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i)(B) & roof openings requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(i)(B) & roof openings requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 & 0 \\ \hline 50.112b(a)(2)(ii) & roof floating requirements & 0 & 0 & 0 & 0 \\ \hline 50.112b(a)(1) & frequency & 0 & 0 & 0 & 0 & 0 \\ \hline 50.113b(b)(1) & frequency & 0 & 0 & 0 & 0 & 0 & 0 \\ \hline 50.113b(b)(1)(i) & measurement frequency & 0 & 0 & 0 & 0 & 0 & 0 \\ \hline 50.113b(b)(1)(i) & measurement frequency & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \hline 50.113b(b)(1)(i) & measurement frequency & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & $	40 CFR 60.110b(a)		Y	
60.112b(a)(2)roof option40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof seal requirementsY60.112b(a)(2)(i)roof seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof primary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRTesting and Procedures; External floating roof seal gap measurement frequencyY40 CFRTesting and Procedures; External floating roof primary seal gaps measurement frequencyY	40 CFR 60.112b(a)	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 <	Y	
40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof seal requirementsY60.112b(a)(2)(i)roof seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof primary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRTesting and Procedures; External floating roof seal gap measurement frequencyY40 CFRTesting and Procedures; External floating roof primary seal gapsY60.113b(b)(1)measurement frequencyY			Y	
40 CFR       Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements       Y         60.112b(a)(2)(i)(B)       roof secondary seal requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements       Y         40 CFR       Testing and Procedures; External floating roof seal gap measurement frequency       Y         40 CFR       Testing and Procedures; External floating roof primary seal gaps       Y         60.113b(b)(1)       measurement frequency       Y	40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof openings requirementsY60.112b(a)(2)(ii)roof openings requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY40 CFRStandard for Volatile Organic Compounds (VOC); External floating roof floating requirementsY60.112b(a)(2)(ii)roof floating requirementsY40 CFRTesting and Procedures; External floating roof seal gap measurement frequencyY40 CFRTesting and Procedures; External floating roof primary seal gapsY60.113b(b)(1)measurement frequencyY	40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
40 CFR       Standard for Volatile Organic Compounds (VOC); External floating       Y         60.112b(a)(2)(ii)       roof openings requirements       Y         40 CFR       Standard for Volatile Organic Compounds (VOC); External floating       Y         60.112b(a)(2)(ii)       roof floating requirements       Y         60.112b(a)(2)(iii)       roof floating requirements       Y         40 CFR       Testing and Procedures; External floating roof seal gap measurement       Y         60.113b(b)(1)       frequency       Y         40 CFR       Testing and Procedures; External floating roof primary seal gaps       Y         60.113b(b)(1)(i)       measurement frequency       Y	40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
40 CFR       Standard for Volatile Organic Compounds (VOC); External floating       Y         60.112b(a)(2)(iii)       roof floating requirements       Y         40 CFR       Testing and Procedures; External floating roof seal gap measurement       Y         60.113b(b)(1)       frequency       Y         40 CFR       Testing and Procedures; External floating roof primary seal gaps       Y         60.113b(b)(1)       measurement frequency       Y	40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
40 CFR       Testing and Procedures; External floating roof seal gap measurement       Y         60.113b(b)(1)       frequency       Y         40 CFR       Testing and Procedures; External floating roof primary seal gaps       Y         60.113b(b)(1)(i)       measurement frequency       Y	40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Y	
40 CFRTesting and Procedures; External floating roof primary seal gapsY60.113b(b)(1)(i)measurement frequencyY	40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
	40 CFR	Testing and Procedures; External floating roof primary seal gaps	Y	
i com guine i roodulios, Enternar nouting roor secondary sear gaps	40 CFR	Testing and Procedures; External floating roof secondary seal gaps	Y	

# Table IV – B8Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER<br/>EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

60.113b(b)(1)(ii)	measurement frequency	<b>IIII 100</b>	1
		V	
40 CFR	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(1)(iii)	Testing a Developer Enternal Continues Construction	N7	
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
60.113b(b)(2)	procedures	37	
40 CFR	Testing and Procedures; External floating roof measure seal gaps	Y	
60.113b(b)(2)(i)	when roof is floating		
40 CFR	Testing and Procedures; External floating roof measure seal gaps	Y	
60.113b(b)(2)(ii)	around entire circumference		
40 CFR	Testing and Procedures; External floating roof seal method to	Y	
60.113b(b)(2)(iii)	determine surface area of seal gaps		
40 CFR	Testing and Procedures; External floating roof method to calculate	Y	
60.113b(b)(3)	total surface area ratio		
40 CFR	Testing and Procedures; External floating roof seal gap repair	Y	
60.113b(b)(4)	requirements		
40 CFR	Testing and Procedures; External floating roof primary seal gap	Y	
60.113b(b)(4)(i)	limitations		
40 CFR	Testing and Procedures; External floating roof mechanical shoe	Y	
60.113b(b)(4)(i)(A)	primary seal requirements		
40 CFR	Testing and Procedures; External floating roof primary seals no	Y	
60.113b(b)(4)(i)(B)	holes, tears, openings		
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)	limitations		
40 CFR	Testing and Procedures; External floating roof secondary seal	Y	
60.113b(b)(4)(ii)(A)	installation		
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(B)		-	
40 CFR	Testing and Procedures; External floating roof secondary seals no	Y	
60.113b(b)(4)(ii)(C)	holes, tears, openings	-	
40 CFR	Testing and Procedures; External floating roof 30-day extension	Y	
60.113b(b)(4)(iii)	request for seal gap repairs	-	
40 CFR	Testing and Procedures; External floating roof seal gap inspections	Y	
60.113b(b)(5)	30 day notification	1	
40 CFR	Testing and Procedures; External floating roof visual inspection when	Y	
60.113b(b)(6)	emptied and degassed	1	
40 CFR	Testing and Procedures; External floating roofroof or seal defect	Y	
60.113b(b)(6)(i)	repairs	1	
40 CFR	Testing and Procedures; External floating roof notification prior to	Y	
	filling	I	
60.113b(b)(6)(ii)		V	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
	floating		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
			1

# Table IV – B8Source-Specific Applicable RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER<br/>EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

(0, 1151(1))(2)	S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 105)	ANK 130)	
60.115b(b)(2)	floating roof seal gap measurement report – content requirements	37	
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(3)	floating roof seal gap measurement records requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(4)	floating roof seal gap exceedance report		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)			
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
	variable composition)		
NSPS Title 40 Part	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	Wastewater Systems		
	REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT		
	TO NSPS Kb		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(d)	Standards: Oil-Water Separators (includes storage vessels) – Overlap with Kb	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
BAAQMD	Throughput limits for sources S-101, S-102, S-106 [Basis: 2-1-	Y	
Condition 20989,	234.3]	-	
Part A	L		

# Table IV – B9Source-Specific Applicable RequirementsNSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANKS-448 (TANK 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceabl e (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(2/2/)	Dure
<b>Regulation 8 Rule</b>	<b>REQUIREMENTS FOR INTERNAL FLOATING ROOF</b>		
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	
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	

# Table IV – B9Source-Specific Applicable RequirementsNSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANKS-448 (TANK 1007)

	5-448 (TANK 1007)		
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks $> 75$ cubic meters; Concentration of $<10,000$ ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	

# Table IV – B9Source-Specific Applicable RequirementsNSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANKS-448 (TANK 1007)

	<b>5-440 (TANK 1007)</b>		
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart CC	Petroleum Refining (8/18/95)		
	<b>REQUIREMENTS FOR INTERNAL FLOATING ROOF</b>		
	TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsExisting Group 1 or Group 2 also subject to Kb only		
	subject to Kb and 63.640(n)(8).		
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(ii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iv)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(v)	Storage VesselsAdditional requirements for Kb storage vessels		
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks > 151 cu m with maximum TVP >=5.2 kPa and <76.6; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
40 CFR 60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC); Fixed roof with	Y	
40 CFR	internal floating roof option	Y	
40 CFR 60.112b(a)(1)(i)	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
40 CFR 60.112b(a)(1)(i) 40 CFR	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements	Y	
60.112b(a)(1)(i) 40 CFR	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating		
60.112b(a)(1)(i)	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements		
60.112b(a)(1)(i) 40 CFR 60.112b(a)(1)(ii) 40 CFR	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(i) 40 CFR 60.112b(a)(1)(ii)	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	Y	
60.112b(a)(1)(i) 40 CFR 60.112b(a)(1)(ii) 40 CFR 60.112b(a)(1)(ii)(B)	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements Standard for Volatile Organic Compounds (VOC); Internal floating	Y Y	
60.112b(a)(1)(i) 40 CFR 60.112b(a)(1)(ii) 40 CFR 60.112b(a)(1)(ii)(B) 40 CFR	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option Standard for Volatile Organic Compounds (VOC); Internal floating roof openings-projections below roof surface	Y Y	
60.112b(a)(1)(i) 40 CFR 60.112b(a)(1)(ii) 40 CFR 60.112b(a)(1)(ii)(B) 40 CFR 60.112b(a)(1)(iii)	internal floating roof option Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option Standard for Volatile Organic Compounds (VOC); Internal floating	Y Y Y	

# Table IV – B9Source-Specific Applicable RequirementsNSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANKS-448 (TANK 1007)

	<b>D-440</b> (141K 1007)		
60.112b(a)(1)(v)	roof automatic bleeder vents		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(vi)	roof rim space vents		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(vii)	roof sampling penetrations		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(viii)	roof support column penetrations		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(ix)	roof ladder penetrations	-	
40 CFR	Testing and Procedures; Internal floating roof visual inspection	Y	
60.113b(a)(1)	before filling. Repair any defects found during inspection before	-	
00.1120( <b>u</b> )(1)	filling.		
40 CFR	Testing and Procedures; Internal floating roof tanks with liquid	Y	
60.113b(a)(2)	mounted or mechanical shoe primary seal, annual visual inspection	1	
00.1120(w)( <u>-</u> )	through manholes and hatches (if complying with 40 CFR		
	60.113b(a)(3)(ii))		
40 CFR	Testing and Procedures; Internal floating roof with double seal	Y	
60.113b(a)(3)	system, inspection requirements	1	
40 CFR	Testing and Procedures; Internal floating roof with double seal	Y	
60.113b(a)(3)(ii)	system, inspection requirements - visually inspect per 40 CFR	1	
00.1120( <b>u</b> )(2)(11)	60.113b(a)(2) annually and per 40 CFR 60.113b(a)(4) every 10 years.		
40 CFR	Testing and Procedures; Internal floating roof inspection	Y	
60.113b(a)(4)	requirements each time tank is emptied and degassed (10 year	1	
001120( <b>u</b> )(1)	intervals if complying with 40 CFR 60.113b(a)(3)(ii))		
40 CFR	Testing and Procedures; Internal floating roof, 30 day notification for	Y	
60.113b(a)(5)	filling after inspection	-	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks;	Y	
	Record retention		
40 CFR 60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
	floating roof tanks		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(2)	floating roof inspection records		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(3)	floating roof annual inspection defects report		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
60.115b(a)(4)	floating roof double seal system inspection defects report	-	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations, VOL storage record requirements	Y	
40 CFR 00.1100(C)	Monitoring of Operations; Determine TVP- Monitoring of Operations; Determine TVP-crude oil and refined	Y	
60.116b(e)(2)	petroleum	1	
BAAQMD			
Condition 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
1 411 1	Annuar un oughput mint [Dasis. Cumulative merease]	1	

# Table IV – B9Source-Specific Applicable RequirementsNSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANKS-448 (TANK 1007)

Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

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

# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

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 (applies only to S-126 and S-258)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-126 and S-258)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-126 and S-258)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below           liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals	Y	

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# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	$5^{-120}$ (IANK 172), $5^{-237}$ (IANK 1004), $5^{-230}$ (I	ANK 1003)	
	installed after 2/1/93 – note 2		
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	Y	
	of <10,000 ppm as methane after degassing		
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	Y	
0.5 102.1	and Secondary Seal Inspections – Seal gaps	1	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual	Y	
0-5-402.2	Inspection of Outer Most Seal	1	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank	Y	
8-3-402.3	Fitting Inspection	1	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only	Y	
0-3-403	to S-126 and S-258)	I	
8-5-404	Certification	Y	
8-5-404		Y	
	Information required		
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	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
3-5-602	Analysis of Samples, True Vapor Pressure	Y	
3-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-	Y	
8-5-005	126 and S-258)	1	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(b)	Storage Vessel Provisions Reference Control Technology-	Y	
10 0111 00.117(0)	Internal floating roof	-	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
		-	
63.119(b)(1)			
63.119(b)(1) 40 CFR	Internal floating roofMust float on liquid	Y	
40 CFR	Internal floating roofMust float on liquid Storage Vessel Provisions Reference Control Technology	Y	
40 CFR 63.119(b)(1)(i)	Internal floating roofMust float on liquid Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid except during initial fill		
40 CFR 63.119(b)(1)(i) 40 CFR	Internal floating roofMust float on liquid Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid except during initial fill Storage Vessel Provisions Reference Control Technology	Y Y Y	
40 CFR 63.119(b)(1)(i)	Internal floating roofMust float on liquid Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid except during initial fill Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except after completely		
40 CFR 63.119(b)(1)(i) 40 CFR 63.119(b)(1)(ii)	Internal floating roofMust float on liquid Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid except during initial fill Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(b)(1)(i) 40 CFR	Internal floating roofMust float on liquid Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid except during initial fill Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except after completely		

# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	5-126 (1ANK 172), 5-257 (1ANK 1004), 5-258 (1	ANK 1005)	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(2)	Internal Floating Roof Operations, when not floating		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)	Internal floating roof – seals; must have at least one seal		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(i)	Internal floating roof – seal option; single liquid-mounted seal		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(ii)	Internal floating roof - seal option; single metallic shoe seal		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(iii)	Internal floating roof - seal option; double seal, lower can be vapor		
	mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(4)	Internal floating roof – automatic bleeder valve requirements		
40 CFR 63.120(a)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationInternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(a)(1)	Internal FR tank inspection schedule		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(a)(3)	Internal FR tank inspections – tanks with double seals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(3)(ii)	Internal FR tank inspections – tanks with double seals - annual		
	visual inspection of IFR and secondary seal through manholes and		
	roof hatches. Also must comply with 40 CFR 63.120(a)(3)(iii) every		
	time emptied and degassed and every 10 years.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(3)(iii)	Internal FR tank inspections - tanks with double seals - visually		
	inspect IFR and both seals each time emptied and degassed and at		
	least once every 10 years [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]. Also must comply with annual visual inspection		
	in 40 CFR 63.120(a)(3)(ii).		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(4)	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.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(5)	Internal FR and seal visual inspection each time emptied – 30 day		
	notification required for 10 year inspection (63.120(a)(3)(iii))		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(6)	External FR and seal visual inspection each time emptied		
	Notification for unplanned		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(a)(7)	Internal FR and seal visual inspection each time emptied - Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]		

# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

	5-126 (TANK 172), 5-257 (TANK 1004), 5-258 (TA	ANK 1003)	
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 63.123(c)	Storage Vessel Provisions RecordkeepingGroup 1 Internal floating roof tank requirements - records of each tank inspection	Y	
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	I	
	Starson Vacal Dravisions Crown 1	V	
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y Y	
40 CFR 63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Ŷ	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)		-	
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F	1	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
10 01 10 05.0 10(0)	inspection requirements of 40 CFR 63.120 of Subpart G – Not	1	
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use	1	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements	-	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40  CFR 63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	I	
	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 CFR	Reporting and Record Reeping RequirementsNotice of compliance	I	1

# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
)	status report requirementsreportingstorage vessels		
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirementsstorage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(2)	Periodic Reporting and Recordkeeping Requirements internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment	Y	
40 CFR 63.654(g)(2)(i)	Periodic Reporting and Recordkeeping Requirementsinternal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection reports	Y	
40 CFR 63.654(g)(2)(i)(A)	Periodic Reporting and Recordkeeping Requirements internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection report; definition of failure	Y	
40 CFR 63.654(g)(2)(i)(B)	Periodic Reporting and Recordkeeping Requirements—internal floating roof tanks - submit results of each tank inspection where failure is detected in control equipment – annual inspection report; Periodic Report requirements	Y	
40 CFR 63.654(g)(2)(i)(C)	Periodic Reporting and Recordkeeping Requirements—internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection report; extension documentation	Y	
40 CFR 63.654(g)(2)(ii)	Periodic Reporting and Recordkeeping Requirements internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report	Y	
40 CFR 63.654(g)(2)(ii)(A)	Periodic Reporting and Recordkeeping Requirements internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report; definition of failure	Y	
40 CFR 63.654(g)(2)(ii)(B)	Periodic Reporting and Recordkeeping Requirements internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – internal inspection report; Periodic report requirements	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	

# Table IV – B10Source-Specific Applicable RequirementsINTERNAL FLOATING ROOF TANKS WITH DOME ROOFSPREVIOUSLY EXTERNAL FLOATING ROOF TANKSS-126 (TANK 172), S-257 (TANK 1004), S-258 (TANK 1005)

63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for sources S-126, S-257, S-258 [Basis: 2-1-	Ν	
Condition 20989,	234.3]		
Part A			

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

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

Applicable Requirement BAAQMD •	Regulation Title or         Description of Requirement         Organic Compounds, Storage of Organic Liquids (11/27/02)	Federally Enforceabl e (Y/N)	Future Effective Date
Regulation 8,	<b>REQUIREMENTS FOR FIXED ROOF TANKS</b>		
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;	Y	

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

	<u>S-300 (1ANK 223), S-445 (1ANK 271), S-449 (1</u>	ANK 203)
	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 prior notification	Y
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y
8-5-303	Requirements for Pressure Vacuum Valves	Y
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y
8-5-306	Requirements for Approved Emission Control Systems	Y
8-5-328	Tank Degassing Requirements	Y
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y
8-5-404	Certification	Y
8-5-501	Records	Y
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y
8-5-503	Portable hydrocarbon detector	Y
8-5-602	Analysis of Samples, True Vapor Pressure	Y
8-5-603	Determination of emissions	Y
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y
8-5-604	Determination of Applicability	Y
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for	
40 Part 63	Petroleum Refining (8/18/95)	
Subpart CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM	
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)	
Part 60 Subpart	REQUIREMENTS FOR FIXED ROOF TANKS	

# Table IV – B11Source-Specific Applicable RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS-360 (TANK 223), S-445 (TANK 271), S-449 (TANK 285)

Kb		<i>,</i>	
40 CFR	Applicability and Designation of Affected Facility; Volatile organic	Y	
60.110b(a)	liquid storage vessels > or = to 40 cu m, after $7/23/1984$	1	
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)	and control device	1	
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)(i)	and control device no detectable emissions per 40 CFR 60.485(b)	1	
	(Subpart VV)		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)(ii)	and control device $\geq 95\%$ inlet VOC emission reduction		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)	flare)		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)	flare) operating plan submission		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(i)	flare) operating planefficiency demonstration		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(ii)	flare) operating planmonitoring parameters		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(2)	flare) operate in accordance with operating plan		
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks;	Y	
	Record retention		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)	control device (not flare)		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(1)	control device (not flare) operating plan copy – Retain for life of control	_	
	device		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(2)	control device (not flare) operating records – Retain for at least 2 years		
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a)			
40 CFR	Monitoring of Operations; Permanent record requirements	Y	
60.116b(b)			
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)		_	
40 CFR	Monitoring of Operations; Determine TVP-crude oil or refined	Y	
60.116b(e)(2)	petroleum products		
40 CFR	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40	Y	
60.116b(g)	CFR 60.116b(d) for tanks with closed vent system and control device	-	
BAAQMD	APPLICABLE TO S-445		
Condition 12130			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		
BAAQMD	APPLICABLE TO S-449		
Condition 11219			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

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

	5 500 (IMA 225), 5 445 (IMA 271), 5 445 (I	<b>mm 200</b> )	
BAAQMD	Throughput limits for sources S-360 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceabl e (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/1)	Date
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; 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;	Y	

### Table IV – B12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS

	S-446 (TANK 310), S-447 (TANK 311)		
	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7	Y	
0-3-112.4	days	I	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
0.5.501	floating roof, or approved emission control system)	1	
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,	Y	
	operation		
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	Y	
	months		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	REQUIREMENTS FOR FIXED ROOF TANKS		
Kb			
40 CFR	Applicability and Designation of Affected Facility; Volatile organic	Y	
60.110b(a)	liquid storage vessels > or = to 40 cu m, after $7/23/1984$		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)	and control device	N/	
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)(i)	and control device no detectable emissions per 40 CFR 60.485(b)		
40 CFR	(Subpart VV) Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
40 UFK	Standard for volatile Organic Compounds (VOC); Closed Vent system	ĭ	

#### Table IV – B12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS

# S-446 (TANK 310), S-447 (TANK 311)

	5-440 (IANK 510), 5-447 (IANK 511)		
60.112b(a)(3)(ii)	and control device $\geq 95\%$ inlet VOC emission reduction		
40 CFR	Standard for Volatile Organic Compounds (VOC); Requirements for	Y	
60.112b(b)	tanks >= 75 cu m and maximum TVP >= 76.6 kPa (11.1 psia)		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(b)(1)	and control device option per 40 CFR60.112b(a)(3)		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)	flare)		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)	flare) operating plan submission		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(i)	flare) operating planefficiency demonstration		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(ii)	flare) operating planmonitoring parameters		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(2)	flare) operate in accordance with operating plan		
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks;	Y	
	Record retention		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)	control device (not flare)		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(1)	control device (not flare) operating plan copy – Retain for life of control		
	device		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(2)	control device (not flare) operating records – Retain for at least 2 years		
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a)			
40 CFR	Monitoring of Operations; Permanent record requirements	Y	
60.116b(b)			
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)			
40 CFR	Monitoring of Operations; Determine TVP-crude oil or refined	Y	
60.116b(e)(2)	petroleum products		
40 CFR	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40	Y	
60.116b(g)	CFR 60.116b(d) for tanks with closed vent system and control device		
BAAQMD	APPLICABLE TO S-446		
Condition 12131			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		
BAAQMD	APPLICABLE TO S-447		
Condition 12132			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		

#### Table IV – B13

#### Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

		Federally	Future
Ameliashia	Domistion Title on	Enforceab	Effective
Applicable Requirement	Regulation Title or Description of Requirement	le (Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/1)	Date
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	
8-3-111.1	Notification	I	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
8-3-111.1.1	Notification, 3 day prior notification	Ŷ	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-5-111.1.2	Notification, Telephone notification	1	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
0-5-111.2	in compliance prior to notification	1	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-5-111.5	Floating roof tanks	1	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-0-111.0	Minimize emissions	1	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-0-111.0	Notice of completion not required	1	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
0.5 111.7	Satisfy requirements of 8-5-328	1	
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	
000112.111	notification	-	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
	start of work. Certified per 8-5-404		
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 (applies only to S-107	Y	
	(Tank 150), S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168),		
	S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies	Y	
	only to S-107 (Tank 150), S-110 (Tank 155), S-115 (Tank 160), S-		
	123 (Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank		

#### Table IV – B13

#### Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

(1111)	$(1001), 5 255 (1111 \times 1002), 5 255 (1111 \times 1005), 5 257$	(11111111000)
	288))	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-107 (Tank 150), S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank 168), S-128 (Tank 174),	Y
	S-129 (Tank 180), S-178 (Tank 288))	
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 requirementsprojection 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 requirementsgap 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

#### Table IV – B13

#### Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

	101), 5-255 (TANK 1002), 5-250 (TANK 1005), 5-259	(1ANK 1000)
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
	Emission Control System	
3-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y
3-5-401	Inspection Requirements for External Floating Roof Tanks	Y
3-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y
	and Secondary Seal Inspections	
3-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y
	Fittings Inspections	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only	Y
	to S-107 (Tank 150), S-110 (Tank 155), S-115 (Tank 160), S-123	
	(Tank 168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank	
	288))	
3-5-404	Certification	Y
3-5-405	Information Required	Y
3-5-501	Records	Y
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP -	Y
	Retain 24 months	
3-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	Y
	Replacement Records - Retain 10 years	
3-5-503	Portable Hydrocarbon Detector	Y
8-5-602	Analysis of Samples, True Vapor Pressure	Y
3-5-604	Determination of Applicability	Y
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S-	Y
	107 (Tank 150), S-110 (Tank 155), S-115 (Tank 160), S-123 (Tank	
	168), S-128 (Tank 174), S-129 (Tank 180), S-178 (Tank 288))	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	
Part 63 Subpart G	<b>REQUIREMENTS FOR EXTERNAL FLOATING ROOF</b>	
	TANKS	
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y
63.119(a)(1)	1, TVP < 76.6 kPa	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y
	External floating roof	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(1)	External floating roof seals	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(1)(i)	External floating roof double seals required	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or	
10.055	liquid-mounted	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(1)(iii)	External floating roof seal requirements	D 1 1( 2004

#### Table IV – B13

# Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

(TANK IU	101), 5-255 (1ANK 1002), 5-256 (1ANK 1005), 5-259	(1ANK 1000)
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(3)	External floating roofMust float on liquid	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(3)(i)	External floating roof Must float on liquid except during initial	
	fill	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(3)(ii)	External floating roof Must float on liquid except after	
	completely emptied and degassed	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	
	completely emptied before refilling	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y
63.119(c)(4)	External Floating Roof Operations, when not floating	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y
	-Compliance DemonstrationExternal floating roof	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(1)	-External FR seal gap measurement	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(1)(i)	-External FR with double seals - primary seal gap measurement – 5	
	year intervals	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(1)(iii)	-External FR with double seals - secondary seal gap measurement -	
	annual requirement	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(1)(iv)	-External FR seal inspections prior to tank refill with organic HAP	
	after not storing organic HAP for 1 year or longer	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(2)	-External FR seal gap determination methods	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(2)(i)	-External FR seal gap determination methods - roof not resting on	
	legs	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(2)(ii)	-External FR seal gap determination methods - measure gaps	
	around entire circumference of seal and measure width and length	
	of gaps	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(2)(iii)	-External FR seal gap determination methods - determine total	
	surface area of each gap	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y
63.120(b)(3)	-External FR primary seal gap calculation method - total surface	
	area of primary seal gaps <= 212 cm2 per meter of vessel diameter.	
	Maximum width <= 3.81 cm	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y

#### Table IV – B13

#### Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

# S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

	1001, $5-255$ (IANK $1002$ ), $5-250$ (IANK $1005$ ), $5-257$	(1111111000)
63.120(b)(4)	-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	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements	Y
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – no holes, tears, or openings	Y
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements	Y
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements – location and extent	Y
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements - no holes, tears or openings	Y
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance -External FR unsafe to perform seal measurements or inspect the tank	Y
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y
40 CFR 63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y
40 CFR 63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y
40 CFR 63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance -External FR and seals visual inspection each time emptied	Y
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted	Y

#### Table IV – B13

#### Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

(111111)	(1401), 5-255 (1401, 1002), 5-250 (1400, 1005), 5-259	(TAIX 1000)
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance - External FR and seal visual inspection each time emptied – 30 day notification	Y
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance - External FR and seal visual inspection each time emptied Notification for unplanned	Y
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y
40 CFR 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
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y
<b>NESHAPS Title 40</b>	NESHAPS for Petroleum Refineries (06/12/1996)	
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF	
CC	TANKS	
40 CFR	Applicability and Designation of Storage Vessels	Y
63.640(c)(2)		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y
63.646(b)(1)	group determination	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y
63.646(b)(2)	method 18 to resolve disputes	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y
40 CFR 63.646(d)(2)	Storage Vessel ProvisionsReferences to April 22,1994	Y
40 CFR 63.646(d)(3)	Storage Vessel ProvisionsReferences to December 31, 1992	Y
40 CFR 63.646(d)(4)	Storage Vessel ProvisionsReferences to compliance dates in 40 CFR 63.100 of Subpart F	Y
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y
63.646(f)(1)	Covers or lids closed except when in use	
40 CFR 63.646(f)(2)	Storage Vessel ProvisionsGroup 1 floating roof requirements Rim space vents requirements	Y

#### Table IV – B13

# Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

(TANK IU	101), 5-255 (TANK 1002), 5-256 (TANK 1003), 5-259 (	(IANK 1000)
40 CFR 63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements Automatic bleeder vents requirements	Y
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y
	notification requirements	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y
	status report requirements	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)	status report requirements	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels	
)		
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and	
	sleeve seals not required for storage vessels that are part of existing	
	source]	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y
63.654(g)(3)	vessels with external floating roofs	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal	
	gap measurement	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y
63.654(g)(3)(ii)	vessels with external floating roofs - extension documentation	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y
63.654(h)(2)	Storage vessel notification of inspections.	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y
63.654(h)(2)(i)	Storage vessel notification of inspections – refilling Group 1	
	storage vessel.	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y
63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel	
	seal gap measurements – 30 day notification [can be waived or	
	modified by state or local].	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y
63.654(h)(6)	Determination of Applicability	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y
63.654(h)(6)(ii)	Determination of Applicability	
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y

#### Table IV – B13

#### Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001) S-255 (TANK 1002) S-256 (TANK 1003) S-259 (TANK 1006)

(TANK IU	01), S-255 (TANK 1002), S-250 (TANK 1005), S-259	(TANK IUU	0)
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)		
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels- keep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vesselsRecord retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-97, S-100, S-107, S-110, S-111, S- 112, S-114, S-115, S-122, S-123, S-124, S-128, S-177, S-186, S- 254, S-255, S-256, S-259 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S-129, S-150, S-151, S-178 [Basis: 2-1-234.3]	Y	

# Table IV – B14Source-Specific Applicable RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

		Federally Enforceabl	Future
Applicable	Regulation Title or	e	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
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	

### Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

8-5-111.6	Limited Exemption, Tank Removal From and Return to Service,	Y
	Notice of completion not required	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y
	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	Y
	notification	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y
	start of work. Certified per 8-5-404	
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)	
8-5-304	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
00000	requirements	-
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	Y
0 0 0 200	liquid surface	-
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	
8-5-320.4	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
	requirementsprojection below liquid surface	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y
	requirementscover, seal, or lid	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y
	requirementsgap between well and 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, 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	

# Table IV – B14Source-Specific Applicable RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

		<b>IIII II</b> ()	
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	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	-	
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	

### Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
		I	
63.119(c)(3)	External floating roofMust float on liquid	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Ŷ	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely		
	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)	External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(i)	External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement –	1	
05.120(0)(1)(11)	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP	1	
05.120(0)(1)(10)	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)	External FR seal gap determination methods	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods – roof not resting on	I	
63.120(b)(2)(i)	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around	-	
00.120(0)(2)(1)	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total	1	
05.120(0)(2)(11)	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area	1	
03.120(0)(3)	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
40 CED	Maximum width <= 3.81 cm	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Ŷ	
63.120(b)(4)	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		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)	External FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	

### Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

	<b>IM D D HI</b> ( <b>IM</b> ( <b>R 200</b> ), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R 20</b> )), <b>D D HI</b> ( <b>IM</b> ( <b>R</b> )), <b>D HI</b> ( <b>IM</b> ( <b>R</b> )), <b>D HI</b> ( <b>IM</b> ( <b>R</b> )) <b>H</b> ( <b>R</b> ) ( <b>IM</b> ( <b>R</b> ))), <b>D D HI</b> ( <b>IM</b> ( <b>R</b> )), <b>H</b> ( <b>R</b> ) ( <b>IM</b> ( <b>R</b> )), <b>H</b> ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> )), <b>H</b> ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> )), <b>H</b> ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> ) ( <b>R</b> )) ( <b>R</b> ) ( <b>R</b> )) ( <b>R</b> )	iiii <b>21</b> 0)	1
63.120(b)(5)(i)	External FR primary seal additional requirements - metallic shoe		
	seal – shoe geometry		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,		
05.120(0)(5)(1)	or openings		
40 CED	Storage Vessel Provisions Procedures to Determine Compliance	Y	
40 CFR	e .	Y	
63.120(b)(6)	External FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or		
00.120(0)(0)(1)	openings		
40 CED		V	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank		
	- complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
		1	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank		
	- empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
	use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	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		
10.055	must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair		
05.120(0)(10)(1)	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day		
	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied	-	
05.120(0)(10)(11)	Notification for unplanned		
40 OFB (2.122()		37	
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	

#### Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

	RA - 5-541 (IAIK 200), 5-542 (IAIK 20), 5-545 (IA	
	floating roof tank requirements - records of seal gap measurements	
40 CED (2.122())	(date, raw data, and required calculations)	
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y
	emptying storage vessel – keep documentation specified	
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)	
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF	
CC	TANKS ALSO SUBJECT TO NSPS K OR Ka	
40 CFR	Applicability and Designation of Storage Vessels	Y
63.640(c)(2)		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y
63.640(n)(5)	Storage Vessels— Group 1 vessel also subject to NSPS K or Ka	
	only subject to 40 CFR 63 Subpart CC	
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y
63.646(b)(1)	group determination	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y
63.646(b)(2)	method 18 to resolve disputes	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y
	storage vessels [EFRs exempt from 63.119(c)(2)]	
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y
63.646(d)(2)		
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y
63.646(d)(3)		
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y
63.646(d)(4)	CFR 63.100 of Subpart F	
40 CFR 63.646(e)	Storage Vessel Provisions-Exceptions for compliance with	Y
	inspection requirements of 40 CFR 63.120 of Subpart G - Not	
	required to comply with provisions for gaskets, slotted membranes,	
	and sleeve seals.	
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y
63.646(f)(1)	Covers or lids closed except when in use	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y
63.646(f)(2)	space vents requirements	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y
63.646(f)(3)	Automatic bleeder vents requirements	
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y
	notification requirements	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y
	status report requirements	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)	status report requirements	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	

### Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

Ka	210)		
Part 60 Subpart	APPLIES TO S-341 (Tank 208), S-342 (Tank 209), S-343 (Tank		
NSPS Title 40	NSPS Subpart Ka for Tanks (12/14/2000)		
- (-)(-)	6/11/1973 and before 5/19/1978.		
60.110(c)(2)	after		
40 CFR	Applicability and Designation of Affected Facility>65,000 gal	Y	
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
Part 60 Subpart K	APPLIES TO S-334 (Tank 107)		
NSPS Title 40	NSPS Subpart K for Tanks (4/4/1980)		
	storage vesselsRecord retention – 5 years	•	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	seals for vessels in existing sources		
05.054(1)(1)(1)	G) except records related to gaskets, slotted membranes, and sleeve		
40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels- keep records specified in 40 CFR 63.123 (Subpart	Y	
40 CFR	G) Departing and Recordbaching Requirements. Recordbaching for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
	state or local].		
	measurements - 30 day notification [can be waived or modified by		
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.	-	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.	1	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	1	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
40 CFR 63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation	1	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal gap measurement		
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage	ĭ	
63.654(g)(3)	vessels with external floating roofs	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
	source]		
	sleeve seals not required for storage vessels that are part of existing		
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
)			
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
	Reporting and Recordkeeping RequirementsNotice of compliance	-	

#### Table IV – B14 Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

40 CFR 60.110a(a)	Applicability and Designation of Affected Facility	Y	
BAAQMD	Throughput limits for source S-334 [Basis: 2-1-234.3]	Ν	
Condition 20989,			
Part A			
BAAQMD	Throughput limits for sources S-341, S-342, S-343 [Basis: 2-1-	Y	
Condition 20989,	234.3]		
Part A			

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

		Federally Enforceabl	Future
Applicable	Regulation Title or	е	Effective
Requirement	Description of Requirement	(Y/N)	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	

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

S-139 (Tank 204), S-140 (Tank 205), S-182 (Ta		
Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
Limited Exemption, Tanks in Operation; Exemption does not exceed 7	Y	
Storage Tank Control Requirements (internal floating roof, external	Y	
	Y	
	Y	
Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
Requirements for Approved Emission Control Systems	Y	
Tank Degassing Requirements	Y	
Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
Tank degassingrequirements; Ozone excess day prohibition	Y	
Inspection Requirements for Pressure Vacuum Valves	Y	
Certification	Y	
Records	Y	
Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
Portable hydrocarbon detector	Y	
Analysis of Samples, True Vapor Pressure	Y	
Determination of emissions	Y	
Determination of Emissions; Organic compounds specified in 8-5- 306	Y	
Determination of Applicability	Y	
Pressure Vacuum Valve Gas Tight Determination	Y	
National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
Applicability and Designation of Storage Vessels	Y	
Exemption for emission points routed to fuel gas system	Y	
NSPS Subpart K for Tanks (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS (Applicable to S-139 only)		
Definitions: Petroleum liquids	Y	
APPLICABLE TO S-182		
Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
Throughput limits for sources S-139, S-140 [Basis: 2-1-234.3]	N	
	minimization of emissions         Limited Exemption, Tanks in Operation; Exemption does not exceed 7         days         Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)         Requirements for Pressure Vacuum Valves         Requirements for Pressure Vacuum Valves; Set pressure         Requirements for Pressure Vacuum Valves; Installation, maintenance, operation         Requirements for Approved Emission Control Systems         Tank Degassing Requirements; Tanks > 75 cubic meters         Tank Degassing Requirements; Tanks > 75 cubic meters;         Concentration of <10,000 ppm as methane after degassing	minimization of emissions       Image: Second Strength Strength Strength Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)       Y         Requirements for Pressure Vacuum Valves       Y         Requirements for Pressure Vacuum Valves; Set pressure       Y         Requirements for Pressure Vacuum Valves; Installation, maintenance, operation       Y         Requirements for Approved Emission Control Systems       Y         Tank Degassing Requirements; Tanks > 75 cubic meters       Y         Tank Degassing Requirements; Tanks > 75 cubic meters;       Y         Concentration of <10,000 ppm as methane after degassing

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

		Federally Enforceabl	Future
Applicable	Regulation Title or	e	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	i	
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	

# Table IV – B16Source-Specific Applicable RequirementsMACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

	<b>5-155 (TANK 195)</b>		
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 requirementsprojection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirementscover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirementsgap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	

# Table IV – B16Source-Specific Applicable RequirementsMACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

	S-133 (TANK 193)		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD ·	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- 8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	

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# Table IV – B16Source-Specific Applicable RequirementsMACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

	<b>5-155 (TANK 195)</b>		
63.119(c)(4)	External Floating Roof Operations, when not floating		
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance Compliance DemonstrationExternal floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements - no holes, tears or openings	Y	

# Table IV – B16Source-Specific Applicable RequirementsMACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

	S-133 (TANK 193)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank		
	- complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank		
	- empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
	use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	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.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day		
	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied		
	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 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)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel - keep documentation specified		
<b>NESHAPS Title 40</b>	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	

# Table IV – B16Source-Specific Applicable RequirementsMACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

	5-155 (TAIK 175)		
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions-40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from $63.119(c)(2)$ ]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)		-	
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F	-	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
10 01 10 05.0 10(0)	inspection requirements of 40 CFR 63.120 of Subpart G – Not	-	
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use	•	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements	1	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements	1	
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
40 CFR 05.040(I)	notification requirements	1	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 CFK 05.054(1)	status report requirements	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40  CFR 63.654(f)(1)(i)(A)	status report requirementsReporting-storage vessels	1	
	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40  CFR		I	
63.654(f)(1)(i)(A)(1)	status report requirementsReportingstorage vessels	V	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y Y	
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Ŷ	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
40 CED	source]	Y	
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage	r	
63.654(g)(3)	vessels with external floating roofs	Y	
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Ŷ	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
40.CED	gap measurement	V	
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation	37	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	<b></b>	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	

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

	<b>5-135 (TANK 175)</b>		
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections -Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)	vessels - keep records specified in 40 CFR 63.123 (Subpart G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for source S-133 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

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

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

	S-340 (TANK 108)		
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	
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	

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

	<b>5-34</b> 0 (TANK 108)		
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	
	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	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Group 1, TVP < 76.6 kPa	-	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

	<b>5-540 (TANK 100)</b>		
63.119(c)(1)	External floating roof seals		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe	-	
00.11)(0)(1)(1)	or liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid	-	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial	1	
05.117(0)(5)(1)	fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after	1	
05.117(0)(5)(11)	completely emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	1	
05.117(0)(5)(11)	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating	1	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine	Y	
40 CI K 05.120(0)	ComplianceCompliance DemonstrationExternal floating roof	1	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)	ComplianceExternal FR seal gap measurement	1	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(i)	ComplianceExternal FR with double seals - primary seal gap	1	
05.120(0)(1)(1)	measurement – 5 year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(iii)	ComplianceExternal FR with double seals - secondary seal gap	1	
03.120(0)(1)(11)	measurement – annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(iv)	ComplianceExternal FR seal inspections prior to tank refill with	1	
05.120(0)(1)(10)	organic HAP after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)	ComplianceExternal FR seal gap determination methods	1	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(i)	ComplianceExternal FR seal gap determination methods – roof	1	
05.120(0)(2)(1)	not resting on legs		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(ii)	ComplianceExternal FR seal gap determination methods –	1	
05.120(0)(2)(11)	measure gaps around entire circumference of seal and measure		
	width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(iii)	ComplianceExternal FR seal gap determination methods –	1	
55.120(0)(2)(III)	determine total surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(3)	ComplianceExternal FR primary seal gap calculation method –	· ·	
00.120(0)(0)	Comprising External Proprinting Sear Sup carefulation method		

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

	S-340 (TANK 108)		
	total surface area of primary seal gaps <= 212 cm2 per meter of		
	vessel diameter. Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(4)	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		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)	ComplianceExternal FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)(i)	ComplianceExternal FR primary seal additional requirements -		
	metallic shoe seal – shoe geometry		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)(ii)	ComplianceExternal FR primary seal additional requirements –	1	
05.120(0)(5)(11)	no holes, tears, or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)	ComplianceExternal FR secondary seal requirements	1	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
		r	
63.120(b)(6)(i)	ComplianceExternal FR secondary seal requirements – location		
10 CEB	and extent	37	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)(ii)	ComplianceExternal FR secondary seal requirements - no holes,		
	tears or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)(i)	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 40 CFR		
	63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)(ii)	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 40 CFR		
	63.120(b)(7)(i). Two 30 day extensions are allowed to empty the		
	tank. Decision to use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(8)	Compliance External FR Repairs must be made within 45 days	-	
05.120(0)(0)	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.		
40 CED		Y	
40 CFR	Storage Vessel Provisions Procedures to Determine	I	
63.120(b)(9)	Compliance External FR seal gap measurement 30 day		
40. CED	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)	ComplianceExternal FR and seals visual inspection each time		
	emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

# Table IV – B17Source-Specific Applicable RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

	S-340 (TANK 108)		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(l)	Storage Vessel ProvisionsState or local permitting agency notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of	Y	
	compliance status report requirements	-	
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)	compliance status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)	compliance status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)(A)	compliance status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)(A)(1	compliance status report requirementsReportingstorage vessels		
	r r r r r r r r r r r r r r r r r r r		
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of		
	existing source]		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs - extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs - documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)	Storage vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(i)	Storage vessel notification of inspections – refilling Group 1		
	storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel		
	seal gap measurements - 30 day notification [can be waived or		
	modified by state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Υ	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Υ	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123		
	(Subpart G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123		
	(Subpart G) except records related to gaskets, slotted membranes,		

#### Table IV – B17 Source-Specific Applicable Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S-340 (TANK 108)

	and sleeve seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
NSPS Title 40	NSPS Subpart Ka for Tanks (12/14/2000)		
Part 60 Subpart			
Ka			
40 CFR 60.110a(a)	Applicability and Designation of Affected Facility	Y	
BAAQMD	Throughput limits for sources S-340 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	

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

	S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 10	
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 S-113 (Tank 158), S-125 (Tank 170))	Y
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable to S-113 (Tank 158), S-125 (Tank 170))	Y
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applicable to S-113 (Tank 158), S-125 (Tank 170))	Y
8-5-304	Requirements for External Floating Roofs	Y
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y
8-5-320	Tank fitting requirements – Floating roof tanks	Y
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y
8-5-321	Primary seal requirements	Y
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y

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

8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
0-3-321.3.1	geometry of shoe	ĭ	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-3-321.3.2	welded tanks	I	
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	
8-3-322.5	secondary seal requirements, seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	I	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when	Y	
	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	
0-J-J20.1.2	Concentration of <10,000 ppm as methane after degassing	1	
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 Inspection Requirements for External Floating Roof Tanks; Primary	Y	
0-3-401.1	and Secondary Seal Inspections	1	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
0-5-401.2	Fittings Inspections	1	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applicable to	Y	
00100	S-113 (Tank 158), S-125 (Tank 170))	-	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	
	months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination (applicable to S-	Y	
	113 (Tank 158), S-125 (Tank 170))		
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		

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

	Y
	Y
	Y
	Y
Storage Vessel Provisions Reference Control Technology	Y
External floating roofMust float on liquid	
Storage Vessel Provisions Reference Control Technology	Y
External floating roof Must float on liquid except during initial fill	
Storage Vessel Provisions Reference Control Technology	Y
	Y
	-
	Y
	1
	Y
	1
	Y
	1
	Y
	I
	Y
	Ŷ
	Y
	Y
	Y
÷	
legs	
	Y
External FR seal gap determination methods – measure gaps around	
entire circumference of seal and measure width and length of gaps	
Storage Vessel Provisions Procedures to Determine Compliance	Y
External FR seal gap determination methods – determine total	
surface area of each gap	
Storage Vessel Provisions Procedures to Determine Compliance	Y
External FR primary seal gap calculation method – total surface area	1 1
	<ul> <li>Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill</li> <li>Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed</li> <li>Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling</li> <li>Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating</li> <li>Storage Vessel Provisions Procedures to Determine Compliance Compliance DemonstrationExternal floating roof</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement - 5 year intervals</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - secondary seal gap measurement - annual requirement</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement - annual requirement</li> <li>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</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods - roof not resting on legs</li> <li>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</li> <li>Storage Vessel Provisions Procedures to Determine Compliance External FR seal</li></ul>

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

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

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

	5-165 (1ANK 295), 5-164 (1ANK 290), 5-201 (1ANK 10		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day		
	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied		
	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
40 CFR 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)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
10 0111 05.125(8)	emptying storage vessel – keep documentation specified	-	
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
	Applicability and Designation of Storage Vessels	I	
63.640(c)(2)	Otherse Marsel Day island Care a 1	V	
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions-40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use	•	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements	1	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
40 CFR 63.646(f)(3)	Automatic bleeder vents requirements	I	
		V	
40 CFR 63.646(l)	Storage Vessel ProvisionsState or local permitting agency	Y	
40 CED (2 (54/2	notification requirements	V	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		

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

<u>م</u>	5-183 (1ANK 295), 5-184 (1ANK 296), 5-261 (1ANK 10	(10)	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
	source]		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections -Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources	<b>.</b>	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for sources S-113, S-125, S-261 [Basis: 2-1-	Ν	
Condition 20989,	234.3]		
Part A			

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

$5^{-105}$ (TANK 255), $5^{-104}$ (TANK 270), $5^{-201}$ (TANK 1010)			
BAAQMD	Throughput limits for sources S-183, S-184 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

# Table IV – B19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS-216 (TANK 695A)

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; 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	Y	

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

	7 days		
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
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	

# Table IV – B19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS-216 (TANK 695A)

	<b>5-210 (TANK 095A)</b>		
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i) 40 CFR 63.119(c)(1)(ii)	External floating roof double seals required Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance Compliance DemonstrationExternal floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement	Y	

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

	5-210 (TANK 095A)		
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement – 5	Y	
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)(iv)	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)	External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on		
00.120(0)(2)(1)	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around	-	
05.120(0)(2)(1)	entire circumference of seal and measure width and length of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total	1	
03.120(0)(2)(11)	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
		Ŷ	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps $\leq 212$ cm2 per meter of vessel diameter.		
40.CED	Maximum width <= 3.81 cm	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(4)	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		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)	External FR primary seal additional requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(i)	External FR primary seal additional requirements - metallic shoe		
	seal – shoe geometry		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(5)(ii)	External FR primary seal additional requirements - no holes, tears,		
	or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)	External FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements - location and extent		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or		
	openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)	External FR unsafe to perform seal measurements or inspect the tank	-	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(i)	External FR unsafe to perform seal measurements or inspect the tank	1	
	- complete measurements or inspection within 30 days after		
L	complete measurements of inspection within 50 days arter		I

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# Table IV – B19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS-216 (TANK 695A)

	5-210 (TANK 095A)		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank		
	– empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).		
	Two 30 day extensions are allowed to empty the tank. Decision to		
	use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	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.		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(9)	External FR seal gap measurement 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)	External FR and seals visual inspection each time emptied		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(i)	External FR and seal visual inspection each time emptied – Repair	-	
00.120(0)(10)(1)	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	40 CFR 63.646(e)]		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(ii)	External FR and seal visual inspection each time emptied – 30 day	1	
001120(0)(10)(11)	notification		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.	-	
40 CFR 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)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
10 01 11 00.120(8)	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	<b>REQUIREMENTS FOR EXTERNAL FLOATING ROOF</b>		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	rippiremonity and Designation of Storage + ecools		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination	-	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes	•	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
10 01 10 05.040(0)	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
IU UI K	Storage vesser i tovisionsreferences to April 22,1777	1	

# Table IV – B19Source-Specific Applicable RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS-216 (TANK 695A)

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

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

	<b>5</b> -210 (TANK $5$ )		
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention - 5 years		
BAAQMD	Throughput limits for source S-216 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			

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

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

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

	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		
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y	
	Telephone notification		
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and	Y	
	certification before commencement of work		
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed	Y	
	7 days		
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	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 –		
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		

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

	<b>S-134 (TANK 194)</b>		
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 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; Primary	Y	
	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD ·	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	Y	

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

	5-134 (TANK 194)		
	Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8- 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	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance Compliance DemonstrationExternal floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
	year intervals		

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

	5-134 (TANK 194)		
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement – annual requirement		
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank	Y	

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

	5-134 (1ANK 194)		
	<ul> <li>– empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).</li> <li>Two 30 day extensions are allowed to empty the tank. Decision to</li> </ul>		
40 CFR	use extension must be documented. Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(8)	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.	I	
40 CFR 63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR and seal visual inspection each time emptied Notification for unplanned	Y	
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	Y	
40 CFR 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	
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified	Y	
NESHAPS Title 40 Part 63 Subpart CC	NESHAPS for Petroleum Refineries (06/12/1996) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR 63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP- method 18 to resolve disputes	Y	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)]	Y	
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			

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

(2, (4((1))))			
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions-Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G - Not		
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use	1	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
		I	
63.646(f)(2)	space vents requirements	N7	
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(l)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	1	
		V	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
) $(2 + 62) = 62 = 62 = 62 = 62 = 62 = 62 = 62 $	Deviadia Departing and Descardizaning Dequirements	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Ŷ	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
	source]	_	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	-	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
40 CFK 63.654(h)(2)	vessel notification of inspections.	1	
		Y	
40  CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Ŷ	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap		

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

	measurements – 30 day notification [can be waived or modified by		
	state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		
BAAQMD	Throughput limits for source S-134 [Basis: 2-1-234.3]	Ν	
Condition 20989,			
Part A			

### Table IV – B21

Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
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### Table IV – B21

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

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

1346), S-286 (F3), S-287 (F10), S-293 (F805)

#### Table IV – B21

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

40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	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 – B22

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

BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

# Table IV – B23ASource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Applicable Requirement	Regulation Title or	Federally Enforceable	Future Effective
	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
<b>NESHAPS Title 40</b>	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	<b>REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY</b>		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping RequirementsRecordkeepingRecord 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 S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

# Table IV – B23BSource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

		Federally Enforceab	Future
Applicable	Regulation Title or	le	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1)	2400
Regulation 8 Rule	<b>REQUIREMENTS FOR EXTERNAL FLOATING ROOF</b>		
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	
	in compliance prior to notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Floating roof tanks		
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,	Y	
	Notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
	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 notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
	start of work. Certified per 8-5-404		
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)		
8-5-304	Requirements for External Floating Roofs	Y	

# Table IV – B23BSource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

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	
	liquid surface		
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		
8-5-320.4	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	
	requirementsprojection below liquid surface		
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementscover, seal, or lid		
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementsgap between well and 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, 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, 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	
	Emission Control System		
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
0-3-401.2	inspection Requirements for External Floating Roof Tanks; Tank	I	

# Table IV – B23BSource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

	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, type of blanket gas, TVP -	Y	
	Retain 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	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or	-	
	liquid-mounted		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(iii)	External floating roof seal requirements		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)	External floating roofMust float on liquid		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roof Must float on liquid except during initial		
	fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after		
	completely emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
10 CED	completely emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating	N	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
40.CED	-Compliance DemonstrationExternal floating roof	V	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	-External FR seal gap measurement		

# Table IV – B23BSource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

	S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 1	13)	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
40 CFR 63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
40 CFR 63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance -External FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance -External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance -External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the	Y	

# Table IV – B23BSource-Specific Applicable RequirementsExempt External Floating Roof TanksSUBJECT TO MACT RECORDREEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (Tank 153), S-109 (Tank 154), S-127 (Tank 173)

ank Storage Vessel Provisions Procedures to Determine Compliance- External FR unsafe to perform seal measurements or inspect the ank – complete measurements or inspection within 30 days after	Y	
External FR unsafe to perform seal measurements or inspect the	I	
ank – complete measurements of inspection within 50 days after		
letermining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
Storage Vessel Provisions Procedures to Determine Compliance-	Ŷ	
External FR unsafe to perform seal measurements or inspect the		
	Y	
	Y	
	Y	
· · ·		
	Y	
External FR and seal visual inspection each time emptied – Repair		
lefects before refilling [does not apply to gaskets, slotted		
nembranes, or sleeve seals for Group 1 Refinery MACT tanks per		
0 CFR 63.646(e)]		
Storage Vessel Provisions Procedures to Determine Compliance-	Y	
External FR and seal visual inspection each time emptied $-30$		
lay notification		
Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	Y	
	Y	
	Y	
	-	
ANKS		
	Y	
rr	-	
Storage Vessel ProvisionsGroup 1	Y	
	Ŷ	
group determination		
	nk – empty and remove vessel from service within 45 days after etermining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). wo 30 day extensions are allowed to empty the tank. Decision to se extension must be documented. torage Vessel Provisions Procedures to Determine Compliance xternal FR Repairs must be made within 45 days after lentification or empty and remove tank from service. Two 30 day xtensions are allowed to empty the tank. Decision to use extension must be documented. torage Vessel Provisions Procedures to Determine Compliance xternal FR seal gap measurement 30 day notification torage Vessel Provisions Procedures to Determine Compliance- External FR and seals visual inspection each time emptied torage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – Repair efects before refilling [does not apply to gaskets, slotted nembranes, or sleeve seals for Group 1 Refinery MACT tanks per 0 CFR 63.646(e)] torage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – 30 ay notification torage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – 30 ay notification torage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – 20 lotification for unplanned torage Vessel Provisions RecordkeepingGroup 1 and Group 2 lotrage Vessel Provisions RecordkeepingGroup 1 and Group 2 lotrage Vessel Provisions RecordkeepingGroup 1 External oating roof tank requirements - records of seal gap measurements late, raw data, and required calculations) torage Vessel Provisions Recordkeeping, Extensions for mptying storage vessel - keep documentation specified <b>ESHAPS for Petroleum Refineries (06/12/1996)</b> <b>EQUIREMENTS FOR EXTERNAL FLOATING ROOF</b> <b>ANKS</b> .pplicability and Designation of Storage Vessels torage Vessel ProvisionsGroup 1 torage Vessel Provisions	unk – empty and remove vessel from service within 45 days after         etermining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i).         wo 30 day extensions are allowed to empty the tank. Decision to         se extension must be documented.         torage Vessel Provisions Procedures to Determine Compliance         xternal FR Repairs must be made within 45 days after         lentification or empty and remove tank from service. Two 30 day         xternal FR seal gap measurement 30 day notification         torage Vessel Provisions Procedures to Determine Compliance         Xternal FR and seal visual inspection each time emptied         torage Vessel Provisions Procedures to Determine Compliance-         External FR and seal visual inspection each time emptied         torage Vessel Provisions Procedures to Determine Compliance-         External FR and seal visual inspection each time emptied         torage Vessel Provisions Procedures to Determine Compliance-         External FR and seal visual inspection each time emptied - Repair         effects before refilling [does not apply to gaskets, slotted         nembranes, or sleeve seals for Group 1 Refinery MACT tanks per         0 CFR 63.646(e)]         torage Vessel Provisions Procedures to Determine Compliance-         External FR and seal visual inspection each time emptied         lotification         torage Vessel Provisions Recordkeepin

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

	S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 1		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes	V	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
40 CED (2 (4((4)	storage vessels [EFRs exempt from 63.119(c)(2)]	V	
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y Y	
40  CFR	Storage Vessel ProvisionsReferences to April 22,1994	Ŷ	
63.646(d)(2)	Channel Description De Constant Description 21, 1002	V	
40  CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)	Channel Descriptions De Conservations all'Anni 40	V	
40  CFR	Storage Vessel ProvisionsReferences to compliance dates in 40 CFR 63.100 of Subpart F	Y	
63.646(d)(4)		V	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted membranes,		
40 CED (2 (4((0	and sleeve seals.	N/	
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
63.646(f)(2)	Rim space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(l)	Storage Vessel ProvisionsState or local permitting agency	Y	
40 CED (2 (54/0	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
10.055	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	V	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	V	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels		
$\frac{1}{10000000000000000000000000000000000$	Deriodic Departing and Depardkeeping Dequirements	V	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y Y	
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage	ĭ	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
40 CFR	source]	Y	
	Periodic Reporting and Recordkeeping Requirementsstorage	Ĭ	
63.654(g)(3)	vessels with external floating roofs	Y	
40  CFR	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs-document results of each seal	ĭ	
63.654(g)(3)(i)	5		
40 CFR	gap measurement Periodic Reporting and Recordkeeping Requirementsstorage	Y	
	Periodic Reporting and Recordseeping Reduirementsstorage	Y	

# Table IV – B23BSource-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING (NOTE 2)BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

4	5-100 (TANK 155), 5-109 (TANK 154), 5-127 (TANK 1	13)	
63.654(g)(3)(ii)	vessels with external floating roofs - extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs - documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)	Storage vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(i)	Storage vessel notification of inspections – refilling Group 1		
	storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel		
	seal gap measurements – 30 day notification [can be waived or		
	modified by state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels - keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)(i)	storage vessels- keep records specified in 40 CFR 63.123 (Subpart		
	G) except records related to gaskets, slotted membranes, and sleeve		
	seals for vessels in existing sources		
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vesselsRecord retention – 5 years		

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
<b>Regulation 8,</b>	EXEMPT		
Rule 5			

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

8-5-117	S-90 (TANK 67), S-105 (TANK 129) Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	I	
Part 63 Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
40 CFR 63.119(a)(3)	storage vessel provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40	I	
(0.119(a)(5))	CFR 63.123(a)		
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
40 CFK 05.125(a)	only required to keep tank dimensions and capacity analysis. Retain	1	
	for life of source.		
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	- ++	-	
40 CFR 63.640(n)	Applicability and Designation of Affected Source Overlap for Storage	Y	
	Vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for Storage	Y	
63.640(n)(7)	Vessels—Group 2 storage vessel subject to NSPS K or Ka but exempt		
	from control requirements of NSPS K or Ka is required to comply only		
	with 40 CFR 63 Subpart CC		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method	Y	
63.646(b)(2)	18 to resolve disputes		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – Keep records specified in 40 CFR 63.123		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – Data and assumptions used to determine Group 2		
(iv)	classification		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
NSPS Title 40	NSPS Subpart K for Tanks (4/4/1980)		
Part 60 Subpart			
K	A sufficiently and Declaration of A CO at 177 11/2 A CO at 1.0 11/2	V	
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40  CFR	Applicability and Designation of Affected Facility>65,000 gal after	Y	
60.110(c)(2)	6/11/1973 and before 5/19/1978.		
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	
1 alt 1	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	1	
Part 2		Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Ŷ	

# Table IV – B25Source-Specific Applicable RequirementsEXEMPT BUTANE SPHERES

# S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD • Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR PRESSURE TANKS		2
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 – B25Source-Specific Applicable RequirementsEXEMPT BUTANE SPHERES

## S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

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

### Table IV – B26

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

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

# Table IV – B26Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF TANKS VENTED TO FUEL GASS-135 (TANK 200)

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

### Table IV – B27

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
40 CFR 63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart QQQ	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems REQUIREMENTS FOR FIXED ROOF TANKS ROUTED TO FUEL GAS		

# Table IV – B27Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235. TANK 236

	1 ANK 233, 1 ANK 230		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated	Y	
	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.		
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(1)		-	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(2)		-	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(3)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(4)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)			
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Record keeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40  CFR  60.697(e)(2)	Record keeping Requirements	Y	
40 CFR 60.697(e)(3)	Record keeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Record keeping Requirements	Y	
40 CFR 60.697(f)(2)	Record keeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Ŷ	
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)	1	
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
10 0111 00.1100(u)	liquid storage vessels > or = to 40 cu m, after $7/23/1984$	-	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for	Y	
	storage vessels $>$ or $=$ to 75 cu m	-	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
10 C1 K 00.1100(1)	variable composition)	1	
	variable composition;		

# Table IV – B27Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235. TANK 236

	<b>1</b> /1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/		
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

**TANK 237** 

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

# Table IV – B28Source-Specific Applicable RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKTANK 237

	1 ANK 237		
40 CFR 60.692- 3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-	Standarder, Oil Water Semeratory (in sluder store as succeds)	Y	
40 CFR 60.692- 3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Ŷ	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(4)	Standards. On-Water Separators (mendes storage vessels)	1	
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(5)			
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(c)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(4)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
	Applicability and Designation of Affected Facility; Volatile organic	Y	
60 Subpart Kb 40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984		
60 Subpart Kb	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for	Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984 Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retention	Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retentionMonitoring of Operations; Permanent record requirements	Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(b)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retentionMonitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedances	Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(b)           40 CFR 60.116b(c)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retentionMonitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedancesMonitoring of Operations; Determine TVP	Y Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(b)           40 CFR 60.116b(c)           40 CFR 60.116b(c)           40 CFR 60.116b(c)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retentionMonitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedances	Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(b)           40 CFR 60.116b(c)           40 CFR 60.116b(c)           40 CFR 60.116b(c)           40 CFR 60.116b(c)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retentionMonitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedancesMonitoring of Operations; Determine TVPMonitoring of Operations; Determine TVP-other liquids	Y Y Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(b)           40 CFR 60.116b(c)	Applicability and Designation of Affected Facility; Volatile organicliquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retentionMonitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedancesMonitoring of Operations; Determine TVP	Y Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(c)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retention Monitoring of Operations; Permanent record requirements Monitoring of Operations; 30-day notification for TVP exceedances Monitoring of Operations; Determine TVP Monitoring of Operations; Determine TVP-other liquidsMonitoring of Operations; Waste storage tanks (indeterminate or	Y Y Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(c)           60.116b(c)(3)           40 CFR 60.116b(f)           BAAQMD           Condition 20773	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retention Monitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedances Monitoring of Operations; Determine TVPMonitoring of Operations; Determine TVP Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y Y Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(c)	Applicability and Designation of Affected Facility; Volatile organic       liquid storage vessels > or = to 40 cu m, after 7/23/1984         Applicability and Designation of Affected Facility; Exemptions for       storage vessels > or = to 75 cu m         Monitoring of Operations; Record retention       Monitoring of Operations; Permanent record requirements         Monitoring of Operations; 30-day notification for TVP exceedances         Monitoring of Operations; Determine TVP         Monitoring of Operations; Determine TVP-other liquids         Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)         Requirement to verify exempt status of tank based on true vapor	Y Y Y Y Y Y Y	
60 Subpart Kb           40 CFR 60.110b(a)           40 CFR 60.110b(c)           40 CFR 60.116b(a)           40 CFR 60.116b(b)           40 CFR 60.116b(c)           60.116b(c)(3)           40 CFR 60.116b(f)           BAAQMD           Condition 20773	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu mMonitoring of Operations; Record retention Monitoring of Operations; Permanent record requirementsMonitoring of Operations; 30-day notification for TVP exceedances Monitoring of Operations; Determine TVPMonitoring of Operations; Determine TVP Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y Y Y Y Y Y Y	

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

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

# Table IV – B30Source-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKSTANK 206, TANK 207

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

# Table IV – B30Source-Specific Applicable RequirementsEXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKSTANK 206, TANK 207

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 63 Subpart	National Emission Standards for Hazardous Pollutants for		
CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
40 CFR	Wastewater streams and treatment operations associated with	Y	
63.640(c)(3)	petroleum refining process units meeting the criteria of section		
	63.640(a)		
40 CFR 63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
40 CFR 63.654(a)	Reporting and Recordkeeping Requirements: Wastewater – no	Y	
	reporting and recordkeeping requirements for wastewater except for		
	Group 1 wastewater streams		
NSPS Title 40 Part	NSPS Subpart K for Tanks (4/4/1980)		
60 Subpart K	EXEMPTION FOR TANKS NOT CONTAINING		
	PETROLEUM LIQUIDS		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	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. CUSTOM SCHEDULE OF COMPLIANCE

The owner/operator is out of compliance with the requirement in <u>40 CFR 60 Subpart J</u> <u>60.105(a)(4) to verify the H2S concentration in gas combusted at the A-420 oxidizer. A-420 abates displaced organic vapors from marine loading operations at berths S-425 and S-426. Therefore, the District is imposing the following Schedule of Compliance.</u>

### 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 on the last day of every month to the Director of Enforcement until a monitoring program is established. 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.

# **VI. PERMIT CONDITIONS**

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

### CONDITIONS FOR S-350

- 1a. The owner/operator of S-350 (Crude Unit 267) shall not process crude oil at S-350 with a sulfur<br/>content in excess of 1.5 wt %.[Cumulative Increase]
- 1b. The owner/operator shall sample and analyze the crude feed to S-350 to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S-350 feed tanks. [Cumulative Increase]
- The owner/operator of S-350 shall not exceed an S-350 feed rate of 30,000 bbl per day on a 12 month rolling average basis. The S-350 feed rate shall never exceed 33,000 bbl on any calendar day. The 33,000 bbl/day limit and 30,000 bbl/day 12 month rolling average limit are

absolute limits and may not be corrected for instrument error. [Cumulative Increase]

3. The owner/operator of S-350 shall maintain monthly records of "calendar day" throughput and "12 month rolling average" throughput at S-350 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]

### CONDITION 1440

CONDITIONS FOR S-324, S-381, S-382, S-383, S-384, S-385, S-386, S-387, S-390, S-392, S-400, S-401 S-1007, S-1008, S-1009

- 1. S-324 API Separator shall be operated such that the liquid in the main separator basin is in full contact with fixed concrete roof. This condition shall not apply during separator shutdown for maintenance. [Cumulative Increase]
- Diversions of refinery wastewater around the Water Effluent Treating Facility to the open Storm Water Basins (S-1008, S-1009) shall be minimized. These diversions shall not cause a nuisance as defined in District Regulation 7 or Regulation 1-301. [Cumulative Increase]
- 3. Records shall be maintained of each incident in which refinery wastewater is diverted to the open storm water basins. These records shall include the reason for the diversion, the total quantity of wastewater diverted to the basins, and the approximate hydrocarbon content of the water. [Cumulative Increase]
- 4. The following sources shall have no detectable VOC emissions ("no detectable VOC emissions" is defined according to EPA Test Method 21 as less than 500 ppm above background levels):
  - a. Doors, hatches, covers, and other openings on the S-324 API Separator, forebay, outlet basin, and channel to the S-1007 DAF Unit.
  - b. Doors, hatches, covers, and other openings on the S-1007 DAF Unit and the S-400 Wet and S-401 Dry Weather Sumps, except for the vent opening on these units.
  - c. Any open process vessel, distribution box, tank, or other equipment downstream of the S-1007 DAF Unit (S-381, S-382, S-383, S-384, S-385, S-386, S-387, S-390, S-392). [Cumulative Increase]
- 5. Compliance with the VOC emission criteria of Part 4 shall be determined every 6 months and records kept of each inspection. These records shall be made available to District personnel upon request. [Cumulative Increase]
- 6. The maximum wastewater throughput at the S-324 API Separator and S-1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for

each unit. Any modifications to equipment at this facility which increase the annual average waste water throughput at S-324 and S-1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

#### CONDITION 1694

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

- A. Heater Firing Rate Limits and General Requirements
- 1. Each heater listed below shall not exceed the indicated daily firing rate limit (based on higher heating value of fuel) which are considered maximum sustainable firing 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 (MM BTU/day)	Hourly Firing Rate <u>(MM BTU/hr)</u>
S-2	U229/B301	528	22
S-3	U230/B201	1,488	62
S-4	U231/B101	2,304	96
S-5	U231/B102	2,496	104
S-7	U231/B103	1,536	64
S-8	U240/B1	6,144	256
S-9	U240/B2	1,464	61
S-10	U240/B101	5,352	223
S-11	U240/B201	2,592	108
S-12	U240/B202	1,008	42
S-13	U240/B301	4,656	194
S-14	U240/B401	13,344	556
S-15 thru S19	U244/B501 thru B50	05 5,754	239.75
S-20	U244/B506	552	23
S-21	U244/B507	194.4	8.1
S-22	U248/B606	744	31
S-29	U200/B5	2,472	103
S-30	U200/B101	1,200	50
S-31	U200/B501	480	20
S-43	U200/B202	5,520	230
S-44	U200/B201	1,104	46
S-336	U231/B104	2,664	111
S-337	U231/B105	816	34
S-351	U267	2,424	101
S-371/372	U228/B520 and B52	1,392	58
S-438	U110	5,040	210

[Regulation 2-1-234.3]

2a. All sources shall use only refinery fuel gas and natural gas as fuel, EXCEPT for S-438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S-3 and S-7 which may also use naphtha fuel.

[Regulation 9-1-304 (sulfur content), Regulation 2, Rule 1]

- 2b. Sources S-3 and S-7 are permitted to use naphtha fuel. 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]
- 2c. Sources S-3 and S-7 are permitted to use naphtha fuel. These sources shall be monitored for visible emissions before each 1 million gallons of liquid fuel is combusted at each source. If an inspection documents visible emissions, a Method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the specific unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2].
- 3a. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration. [SO2 Bubble]
- 3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]
- 4. Emissions of SO2 shall not exceed 1,611 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]

b.	TRS sample results as required by Part A.3
c.	SO2 emissions as required by Part A.4

[SO2 Bubble]

d. The operator shall keep records of all visible emission monitoring required by Part 2b, shall identify the person performing the monitoring and shall describe all corrective actions taken. [Regulation 2-6-409.2]
 e. The operator shall keep records of all visible emission monitoring required by Part 2c, of the results of required visual monitoring and Method 9 evaluations on these sources, shall identify the person performing the monitoring and shall describe all corrective actions taken. [Regulation 2-6-409.2]

#### B. S-351 PREHEATER

- 1. The S-351 heater shall be abated by the A-6 SCR unit at all times. [BACT, Cumulative Increase]
- 2. The concentration of NOx from S-351 shall not exceed 20 ppmv @ 3% oxygen, dry, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]
- 3. The following instruments shall be installed and maintained to demonstrate compliance with Part 2:

a. continuous NOx analyzer/recorder

b. continuous O2 or CO analyzer/recorder

[BACT, Cumulative Increase]

### C. S-371 AND S-372 FURNACES

- 1. The S-371 furnace shall be abated by the A-16 SCR unit at all times. The S-372 furnace shall be abated by the A-17 SCR unit at all times. [BACT, Cumulative Increase]
- 2. The concentration of NOx from S-371 and S-372 shall not exceed 20 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]
- 3. The concentration of CO emissions from S-371 and S-372 shall not exceed 50 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection

begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period, which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- D. S-43 Coking Furnace (Unit 200 B-202) and S-44 (Unit 200 B-201 PCT Reboil Furnace)
  - 1. Nitrogen oxide emissions from the S-43 Coking Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A-4. [BACT, Cumulative Increase]
  - 2. The nitrogen oxides in the flue gases for S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 40 ppmdv corrected to 3% oxygen, dry, over any consecutive 8 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- 3. The carbon monoxide in the flue gas for S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 50 ppmdv corrected to 3% oxygen averaged over any calendar month. This condition shall not apply during start-up and shutdown. [BACT, Cumulative Increase]
- Instruments shall be installed and operated to continuously monitor the percentage of oxygen and the concentration of nitrogen oxides from the following sources: S-43, Unit 200 B-202 Coking Furnace and S-44, Unit 200 B-201 PCT Reboil Furnace. [BACT, Cumulative Increase]

#### E. S-438 FURNACE

- 1. The S-438 furnace shall be abated by the A-46 SCR unit at all times. [BACT, Cumulative Increase]
- 2. Total fuel fired in S-438 shall not exceed 2.04 E 12 BTU in any rolling consecutive 365 day period. [Cumulative Increase]
- 3. Pressure swing adsorption (PSA) off gas used as fuel at S-438 shall not exceed 1.0 ppm (by weight) total reduced sulfur (TRS). TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [BACT, Cumulative Increase]
- 4. The following emission concentration limits from S-438 shall not be exceeded. These limits shall not apply during startup periods not exceeding 24 hours (72 hours when drying refractory or during the first startup following catalyst replacement) and shutdown periods not exceeding 24 hours. The District may approve other startup and shutdown durations.

NOx: 10 ppmv @ 3% oxygen, averaged over any 3 hour period

CO: 32 ppmv @ 3% oxygen, averaged over any calendar day

[BACT, Cumulative Increase]

- 5. The concentration of TRS in the blended fuel gas shall not exceed 50 ppmv averaged over any calendar month. [BACT, Cumulative Increase]
- 6. Daily records of the type and amount of fuel combusted at S-438 and of the TRS and hydrogen sulfide concentration in the blended fuel gas, and monthly records of average blended fuel gas TRS concentration, shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]
- F. S-2, S-3, S-4, S-5, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-14 Heaters
- 1. Total fuel firing at Unit 240 (S-8, S-9, S-10, S-11, S-12, S-13, S-14) shall not exceed 993.7 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]
- Total fuel fired at the MP-30 Complex, including Unit 229 (S-2), Unit 230 (S-3) and Unit 231 (S-4, S-5, S-7) shall not exceed 346.5 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]
- 3. Monthly records of the fuel fired at sources in Parts 1 and 2 shall be kept in a District-approved log for at least 5 years and shall be made available the District upon request. [Recordkeeping]

### CONDITION 1860

CONDITIONS FOR S-388,

- 1. Tank T-276 and mixer F-205 (S-388) shall be gas-tight, with no detectable emissions. "Detectable Emissions" shall be defined as organic concentration exceeding 300 ppm as methane above background. [Cumulative Increase]
- 2. S-388 shall be vented to the Refinery Vapor Recovery System at all times that S-388 is operating. [Cumulative Increase]
- 3. S-388 shall be included in the facility fugitive emission monitoring program required by Regulation 8, Rule 18. [Regulation 8, Rule 18]

### CONDITION 4336

CONDITIONS FOR S-425, S-426

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

#### [Cumulative Increase]

- 2. Instruments shall be installed and maintained to monitor and record the following:
  - a. Static pressure developed in the marine tank vessel
  - b. A-420 temperature.
  - c. Hydrocarbons and flow to determine mass emissions or a concentration measurement alone if it is demonstrated to the satisfaction of the APCO that concentration alone allows verification of compliance, or
  - d. Any other device that verifies compliance, with prior approval from the APCO.

[Cumulative Increase]

- 3. A "regulated organic liquid" shall not be loaded from this facility into a marine tank vessel within the District whenever A-420 is not fully operational. A-420 must be maintained to be leak free, gas tight, and in good working order. For the purposes of this condition, "operational" shall mean the system is achieving the reductions required by Regulation 8, Rule 44; "regulated organic liquids" include gasoline, gasoline blendstocks, aviation gasoline and JP-4 aviation fuel and crude oil. [Cumulative Increase]
- 4. A leak test shall be conducted on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test shall include all vessel relief valves, hatch cover, butterworth plates, gauging connections, and any other potential leak points. [Cumulative Increase]
- 5. Loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]
- 6a. No more than 25,000 barrels per day of gasoline, naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. [Cumulative Increase]
  - a. When barges are used to ship gasoline, naphtha or C5/C6, the volume of these materials shipped during any reporting period is to be multiplied by a factor of 1.66 and included in the shipping totals to determine compliance with the throughput limits.
  - b. When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.
- 6b. The maximum loading rate at any time at both S-425 and S-426 shall not exceed 20,000 barrels per hour to prevent overloading the A-420 oxidizer.
- 7. All throughput records required to verify compliance with Part 6, including hourly loading rate records (total for S-425, S-426), and maintenance records required for A-420, which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the District upon request. [Cumulative Increase]

#### CONDITION 6671

**CONDITIONS FOR S-307** 

- 1. The vapor vent on the E-421 condenser (overhead condenser on D-406 condensate stripper in U-240 Unicracker Complex hydrogen plant) shall be vented to the A-50 condenser whenever the vent operates. [Regulation 8-2-301]
- 2. A-50 shall reduce total organic carbon emissions from the E-421 vent as necessary to a level which complies with Regulation 8-2-301. [Regulation 8-2-301]
- 3. All blowdown and other liquid effluent from A-50 shall be piped to the plant wastewater treatment system. [Cumulative Increase]
- 4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound 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 S-432

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

[BACT, Cumulative Increase]

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

[BACT, Cumulative Increase]

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#### CONDITION 7353

- 1. The emissions from the S-433 MOSC storage tank shall be collected and vented to the fuel gas system. [Cumulative Increase]
- 2. Valves shall be equipped with live-loaded packing. Pumps shall be equipped with double mechanical seals separated by a barrier fluid. [Cumulative Increase]
- 3. The S-433 Fixed Roof Storage Tank shall only store sludge. [Cumulative Increase]
- 4. The total throughput of sludge at this MOSC facility shall not exceed 138,700 barrels in any rolling 52 consecutive week period. [Cumulative Increase]
- 5. The total weekly throughput of sludge withdrawn from the S-433 Storage Tank shall be recorded in a District approved log. This record shall be retained for a period of at least five years from date of entry. It shall be kept on site and made available to the District staff upon request. [Cumulative Increase]

#### CONDITION 7523

CONDITIONS FOR S-294 (GDF 7609)

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

### CONDITION 11219

#### CONDITIONS FOR S-449 (T-285)

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

#### CONDITION 12121

#### **CONDITIONS FOR S-370**

- 1. The feed rate at the S-370 isomerization unit (U-228) shall not exceed 11,040 barrels on any calendar day, defined as the sum of the isomerization fresh reactor charge and the adsorber fresh feed. [Cumulative Increase]
- 2. Daily records of the S-370 feed rate shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]

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### **CONDITION 12122**

CONDITIONS FOR S-352, 353, 354, 355, 356, 357

- The gas turbines (S-352, S-353 and S-354) and the heat recovery steam generator (HRG) duct burners (S-355,S-356 and S-357) shall be fired on refinery fuel gas or natural gas. [Cumulative Increase]
- 2. A HRG duct burner shall be operated only when the associated gas turbine is operated. [Cumulative Increase]
- 3. The exhaust from S-352 and S-355 shall be abated at all times by SCR unit A-13. [BACT, Cumulative Increase]
- 4. The exhaust from S-353 and S-356 shall be abated at all times by SCR unit A-14. [BACT, Cumulative Increase]
- 5. The exhaust from S-354 and S-357 shall be abated at all times by SCR unit A-15. [BACT, Cumulative Increase]
- 6. Total fuel fired in S-355, S-356, and S-357 shall not exceed 2.42 E 12 BTU in any consecutive 365 day period. [Cumulative Increase]
- 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 S- 352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. [BACT, Cumulative Increase]
- 9b. NOx emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 10a. The combined CO emissions from S-352, S-353, S-354, S- 355, S-356 and S-357 shall not exceed 200 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

- 10b. CO emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- The combined POC emissions S-352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 11. 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]

- A source test to verify compliance with Parts 8 and 11 shall be performed each calendar year 14. 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 [BACT, Cumulative Increase] upon request.

### **CONDITION 12124**

CONDITIONS FOR S-439 (T-109)

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

3,650 thousand barrels

[Cumulative Increase]

- 2. S-439 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

#### **CONDITION 12125**

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#### CONDITIONS FOR S-440 (T-110)

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

3,600 thousand barrels

[Cumulative Increase]

- 2. S-440 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

#### CONDITION 12127

#### CONDITIONS FOR S-442 (T-112)

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

2,740 thousand barrels

[Cumulative Increase]

- 2. S-442 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 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 S-444 (T-243)

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

4,380 thousand barrels

[Cumulative Increase]

- 2. S-444 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

#### CONDITION 12130

#### CONDITIONS FOR S-445 (T-271)

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

#### CONDITION 12131

#### CONDITIONS FOR S-446 (T-310)

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

#### CONDITION 12132

#### CONDITIONS FOR S-447 (T-311)

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

#### CONDITION 12133

CONDITIONS FOR S-448 (T-1007)

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

2,190 thousand barrels

[Cumulative Increase]

- 2. S-448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 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 S-450

- 1. Groundwater extracted from the S-450 trench system shall be pumped to the wastewater treatment plant for treatment and shall not be exposed to the atmosphere except as required at the treatment plant. [Cumulative Increase]
- 2. All extraction pump vaults and piping access boxes shall be equipped with solid covers. [Cumulative Increase]

#### CONDITION 13184

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

#### CONDITION 16677

#### CONDITIONS FOR S-376, 377, 378

- 1. Net usage of citrus-based solvent at S-376, S-377 and S-378 shall not exceed 150 gallons each in any consecutive 12-month period. [Cumulative Increase]
- 2. Cleanup solvent other than the material(s) specified in Part 1, and/or usage in excess of that specified in Part 1, may be used, provided that the Permit Holder can demonstrate that all of the following are satisfied:
  - a. Total POC emissions from S-376, S-377 and S-378 do not exceed 1,095 pounds each in any consecutive 12-month period; and
  - b. The use of these materials does not increase toxic emissions above any risk screening trigger level. [Cumulative Increase and Toxic Risk Screen]
- 3. To determine compliance with the above requirements, the Permit Holder shall maintain the following records and provide all of the data necessary to evaluate compliance, including:
  - a. Type and monthly usage of all solvents used;
  - b. If a material other than those specified in Part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 2, on a monthly basis;
  - c. Monthly usage and emission calculations (if calculations are required by Part 3b) shall be totaled for each consecutive 12-month period.

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

[Cumulative Increase and Toxic Risk Screen]

#### CONDITION 18251

Conditions for S-380, S-389

- 1a. Activated Carbon Silo S-380 shall be vented through the A-20 baghouse whenever it is in service.
- 1b.Diatomaceous Earth Silo S-389 shall be vented through the A-21 baghouse whenever it is in<br/>service.[Regulation 2-1-234]
- 2a. Baghouses A-20 and A-21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]
- 2b. Differential pressure on baghouse A-20 shall be checked at least once per calendar quarter to

verify normal operating condition.

[Regulation 1-441]

- 2c.Differential pressure on baghouse A-21 shall be checked each time that the baghouse is<br/>operated to verify normal operating condition.[Regulation 1-441]
- A record of all differential pressure readings for baghouses A-20 and A-21 shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request. [Regulation 1-441]

#### CONDITION 18255

- 1. The owner/operator shall not flare more than 1.69 E 6 pounds per hour of refinery gas (total) as defined in Regulation 12-11-210 at flares S-296 and S-398. [Regulation 8-1-110.3; 2-1-403]
- In order to demonstrate compliance with Part 1, the owner/operator shall record on an hourly basis during flaring events the pounds of vent gas flared at S-296 and S-398. The owner/operator shall maintain these records for a period of five years from the date of entry and make these records available for the APCO upon request. [Regulation 8-1-110.3; 2-6-409.2; 2-6-501]
- 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]
- The owner/operator shall operate S-398 to burn only process upset gases as defined by 60.101(e) or fuel gas as defined by 60.101(d) that is released to it as a result of relief valve leakage or other emergency malfunctions. [40 CFR 60.104(a)(1) for S-398 only; Reg 2-1-403]

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

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

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

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

III. Facilities Operation

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

IV. Malfunction

The Regional Administrator shall be notified by telephone within two working days following any failure of air pollution control equipment, process equipment, or of any process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section IX of these conditions. In addition, the Regional Administrator shall be notified in writing within 15 days of any such failure. This notification shall include a

291 Revision dated: <u>December 16, 2004</u>

description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under Section IX of these conditions, and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause.

V. Right to Entry

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

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

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

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

D. to sample emissions from this source.

VI. Transfer of Ownership

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

VII. Severability

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

VIII. Other Applicable Regulations

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

#### IX. Special Conditions

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

B. Air Pollution Control Equipment

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

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

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

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

D. Operating Limitations

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

- 2. The firing rate of each gas turbine/HRG burner set shall not exceed 466 MMBTU/hr.
- 3. The total fuel firing rate of the Steam/Power Plant shall not exceed 1048 MMBTU/hr.

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

#### E. Emission Limits for NOx

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

F. Emission Limits for SO2

On or after the date of startup, the permit holder shall not discharge from the gas turbine/HRG Burner sets SO2 in excess of 15.6 lb/hr per set or 44 lb/hr total (3-hour average). Additionally, total SO2 emissions shall not exceed 34 lb/hr (3 hour average) for more than 36

days per year, nor a total of 153 tons per year (365 days)

G. Continuous Emission Monitoring

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

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

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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 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.

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

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

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

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

b. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.

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

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

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

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

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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 (40 CFR 60). The permit holder shall meet all applicable requirements of Subparts A and GG of this regulation.

#### X. Agency Notifications

All correspondence as required by this Approval to Construct/Modify shall be forwarded to:

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

#### CONDITION 18680

Conditions for S-294

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

#### CONDITION 19278

Conditions for S-1001, S-1002, S-1003

1. Effective April 1, 2004, the owner/operator shall conduct the following District-approved analyses at least once per calendar year:

a. H2S concentration in the fuel gas at the inlet and outlet of each refinery fuel gas treatment system,

b. H2S concentration in the sour water at the inlet and outlet of each sour water stripper system.,

c. H2S concentration in the inlet and outlet (upstream of any tailgas thermal oxidizer) of each sulfur plant,

d. ammonia concentration in the sour water stream at the inlet and outlet of each sour water stripper system [Regulation 9-1-313.2]

The owner/operator shall summarize the results of these analyses in a written report to the District within 30 days of the analyses. The report shall include a determination of compliance or noncompliance with the 95% removal and retention requirements of Regulation 9-1-313.2. Each analysis and report shall be retained onsite for at least 5 years.

[Regulation 9-1-313.2]

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

#### **CONDITION 19476**

Conditions for S-451

- 1. The total throughput at tank S-451 shall not exceed 11,000,000 barrels in any consecutive 12month period. [Cumulative Increase]
- 2. S-451 shall comply with the following design requirements, in addition to any others required by Regulation 8, Rule 5, NSPS Subpart Kb or NESHAP Subpart CC:

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

3. Monthly records of the type and net amount of materials stored at S-451 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

#### CONDITION 19488

CONDITIONS FOR S-50, 51, 52

- 1. The owner/operator of turbine startup engines S-50, S-51 and S-52 shall operate each of these engines no more than 100 hours per calendar year. [Cumulative Increase]
- The owner/operator of S-50, S-51 and S-52 shall keep monthly records of the operating time of each engine. These records shall be kept for at least 5 years and shall be made available to the District upon request. [Regulation 9-8-502, 1-441]

CONDITIONS FOR S-53, 54, 55, 56, 57, 58, 59

- The owner/operator of emergency standby engines S-53, S-54, S-55, S-56, S-57, S-58, and S-59 shall operate these engines only for emergency use or for reliability-related activities. Operations for reliability-related activities shall not exceed 100 hours per calendar year for each engine. Operation for emergency use is unlimited. [Regulation 9-8-330]
- 4. Emergency use is defined as the use of an emergency standby engine during any of the following:
  - a. In the event of loss of regular natural gas supply;
  - b. In the event of failure of regular electric power supply;
  - c. Flood mitigation;
  - d. Sewage overflow mitigation;
  - e. Fire;
  - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Regulation 9-8-231]

- 5. Reliability-related activities is defined as the use of an emergency standby engine during any of the following: [Regulation 9-8-232]
  - a. Operation of an emergency standby engine to test its ability to perform for an emergency use;
  - b. Operation of an emergency standby engine during maintenance of a primary motor.
- 6. Each emergency standby engine shall be equipped with either: [Regulation 9-8-530]
  a. A non-resettable totalizing meter that measures and records hours of operation.
  b. A non-resettable fuel usage meter
- 7. All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The owner/operator shall keep a monthly log of usage that shall indicate the following: [Regulations 9-8-530, 1-441]
  - a. Hours of operation (total)
  - b. Hours of operation (emergency)
  - c. the nature of the emergency condition.

#### **CONDITION 20620**

 By October 11, 2004, the owner/operator shall submit a complete application for a significant revision to the Major Facility Review permit to incorporate the limits, compliance options, and monitoring requirements in 40 CFR 63, Subpart UUU, National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.

[Basis: 40 CFR 63, Subpart UUU]

 By April 11, 2005, the owner/operator shall submit an Operation, Maintenance and Monitoring Plan for District review in accordance with 40 CFR 63.1574(f). The plan shall be submitted to the Director of Enforcement. [Basis: 40 CFR 63.1574(f)]

#### **CONDITION 20773**

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

 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]

 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 S-300

- 1. The owner/operator of S-300 shall not exceed a total charging rate to S-300 (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. S-300 daily charging rate for all feed streams [BACT, Cumulative Increase]

#### CONDITION 21094

#### CONDITIONS FOR S-460 HYDROTREATER

- 1. The owner/operator of S-460 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 S-460 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 throughputb. Average daily feed rate for each calendar month [Regulation 2-1-234]

#### CONDITION 21095

#### CONDITIONS FOR S-304 HYDROTREATER

- 1. The owner/operator of S-304 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 S-304 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 S-461 HEATER

- 1. The owner/operator of the S-461 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 S-461 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 S-461 shall abate emissions from S-461 at the A-461 SCR system whenever S-461 is operated.
   [BACT, Cumulative Increase]
- 3b. The owner/operator of A-461 shall not exceed the following emission rates from S-461/A-461 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]
СО	28 ppmv @ 3% oxygen (8 hr average)	at 25.1 MM BTU/hr and higher firing rates,
	50 ppmv @ 3% oxygen (8 hr average)	at firing rates below 25.1 MM BTU/hr
	[BACT, Cun	nulative Increase]
POC	5.5 lb/MM ft3	[Cumulative Increase]
PM10	7.6 lb/MM ft3	[Cumulative Increase]
ammonia	10 ppmv @ 3% oxygen (8 hr average)	[Toxic Management]

Note: Parts 3a and 3b shall not apply until after the conclusion of the initial startup of S-461.

4. The owner/operator shall equip S-461 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 required in Part 8, 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 S-461 which 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 S-461 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, dimethyl disulfide. If the TRS value, averaged over any rolling consecutive 365-day period, exceeds 35 ppmv, the owner/operator shall install and operate a District-approved continuous monitor/recorder to determine the total reduced sulfur content of the refinery fuel gas prior to combustion in S-461 within the time period specified in the District Manual of Procedures. [BACT, Cumulative Increase]
- 7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the 24-hour average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S-461, 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]
- 8. No later than 90 days from the startup of the S-461, the owner/operator shall conduct District-approved source tests to determine initial compliance with the limits in Part 3b for NOx, CO, POC, PM10 and ammonia. The owner/operator shall conduct the source tests in accordance with Part 9. 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, Toxic Management]

9. 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, Toxic Management]

#### CONDITION 21097

#### CONDITIONS FOR S-36 HEATER

- 1. The owner/operator of the S-36 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 S-36 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 S-36 shall abate emissions from S-36 at the A-36 SCR system whenever S-36 is operated.
   [BACT, Cumulative Increase]
- 3b. The owner/operator of S-36 shall not exceed the following emission rates from S-36/A-36 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]
ammonia	10 ppmv @ 3% oxygen (8 hr average)	[Toxic Management]

Note: Parts 3a and 3b shall not apply until after the conclusion of the initial startup of S-36.

- 4. The owner/operator shall equip S-36 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 required in Part 8, 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 S-36 which 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 S-36 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, dimethyl disulfide. If the TRS value, averaged over any rolling consecutive 365-day period, exceeds 35 ppmv, the owner/operator shall install and operate a District-approved continuous monitor/recorder to determine the total reduced sulfur content of the refinery fuel gas prior to combustion in S-36 within the time period specified in the District Manual of Procedures. [BACT, Cumulative Increase]
- 7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the 24-hour average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S-36, 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]
- 8. No later than 90 days from the startup of the S-36, the owner/operator shall conduct District-approved source tests to determine initial compliance with the limits in Part 3b for NOx, CO, POC, PM10 and ammonia. The owner/operator shall conduct the source tests in accordance with Part 9. 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, Toxic Management]
- 9. 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, Toxic Management]

#### **CONDITION 21099**

#### CONDITIONS FOR ULSD PROJECT FUGITIVE COMPONENTS

The owner/operator shall equip all light hydrocarbon control valves installed as part of the 1. 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]
- The owner/operator shall equip all new hydrocarbon centrifugal compressors installed as part 3. 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]
- The owner/operator shall equip all new light hydrocarbon centrifugal pumps installed as part of 4. the USLD Project with a seal-less design or with dual mechanical seals with a heavy liquid barrier fluid, or equivalent. [BACT]
- The owner/operator shall integrate all new fugitive equipment installed as part of the USLD 5. 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/vr. 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 S-2, S-3, S-4, S-5, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-14, S-304

15, S-16, S-17, S-18, S-19, S-20, S-22, S-29, S-30, S-31, S-43, S-44, S-336, S-337, S-351, S-371, S-372

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 MM BTU/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 MM BTU/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/MM BTU) 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.

Source No.	Emission Factor (lb/MMBtu)	Min O <sub>2</sub> at Low Firing (O2%, MMBtu/hr)	Max O <sub>2</sub> at Low Firing (O2% , MMBtu/hr)	Min O <sub>2</sub> at High Firing (O2%, MMBtu/hr)	Mid O <sub>2</sub> at Mid/High Firing (polygon) (O2%, MMBtu/hr)	Max O <sub>2</sub> 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

a. NOx Box ranges

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  $\geq 25$  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 S-15 through S-19
16	Table II-A	19.9 E 6 therm total at S-15 through S-19
17	Table II-A	19.9 E 6 therm total at S-15 through S-19
18	Table II-A	19.9 E 6 therm total at S-15 through S-19
19	Table II-A	19.9 E 6 therm total at S-15 through S-19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm
29	Table II-A	8.6 E 6 therm
30	Table II-A	4.2 E 6 therm
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*97	NA for tank	1.1 E 7 bbl
*100	NA for tank	4.38 E 6 bbl
101	NA for tank	3.68 E 9 gal

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
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
*123	NA for tank	5.1 E 6 bbl
*124	NA for tank	4.38 E 6 bbl
*125	NA for tank	1.05 E 7 bbl
*126	NA for tank	1.05 E 7 bbl
*128	NA for tank	5.1 E 6 bbl
129	NA for tank	4.6 E 6 bbl
133	NA for tank	8.76 E 5 bbl
*134	NA for tank	1.31 E 7 bbl
*139	NA for tank	2.74 E 6 bbl
*140	NA for tank	2.74 E 6 bbl
150	NA for tank	4.38 E 7 bbl
151	NA for tank	4.38 E 7 bbl
*177	NA for tank	2.63 E 7 bbl
178	NA for tank	3.50 E 7 bbl
183	NA for tank	4.38 E 5 bbl
184	NA for tank	4.38 E 6 bbl
*186	NA for tank	4.38 E 6 bbl
*193	NA for tank	100 bbl
*194	NA for tank	100 bbl
*195	NA for tank	5.0 E 4 bbl
196	NA for tank	5.0 E 4 bbl
*216	NA for tank	4.6 E 6 bbl
*238	NA for tank	1.00 E 6 bbl
*239	NA for tank	8.76 E 6 bbl
*254	NA for tank	7.01 E 7 bbl
*255	NA for tank	7.01 E 7 bbl
*256	NA for tank	7.01 E 7 bbl
*257	NA for tank	7.01 E 7 bbl

310

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*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	89,425 long ton for S-301,
		302, 303 (98,915 long ton
		after S-1002, 1003 modified
		in accordance with A/C 5814
*302	Table II-A	89,425 long ton for S-301,
		302, 303 (98,915 long ton
		after S-1002, 1003 modified
		in accordance with A/C 5814
*303	Table II-A	89,425 long ton for S-301,
		302, 303 (98,915 long ton
		after S-1002, 1003 modified
		in accordance with A/C 5814
304 (until modified in	Table II-A	3.47 E 6 bbl
accordance with A/C 5814,		
then deleted from this table) 305	Table II-A	9.23 E 6 bbl
305	Table II-A	7.67 E 6 bbl
307	Table II-A	1.39 E 7 bbl
*308	Table II-A	5.11 E 6 bbl
*309	Table II-A	6.11 E 6 bbl
*318	Table II-A	3.3 E 7 bbl
*319	Table II-A	3.51 E 6 bbl
324	Table II-A	3.68 E 9 gallons
*334	NA for tank	6.51 E 6 bbl
336	Table II-A	9.2 E 6 therm
337	Table II-A	2.8 E 6 therm
*338	Table II-A	6.6 E 10 ft3
*339	Table II-A	5.26 E 7 bbl
340	NA for tank	7.67 E 6 bbl
341	NA for tank	4.38 E 7 bbl
342	NA for tank	4.38 E 7 bbl
343	NA for tank	4.38 E 7 bbl
351	Table II-A	8.4 E 6 therm
360	NA for tank	2.78 E 6 bbl
370	Condition 12121	4.03 E6 bbl
371	Table II-A	4.8 E6 therm for S-371/372
372	Table II-A	4.8 E6 therm for S-371/372
380	0.3 ton/hr	2,628 ton

311

	hourly / daily throughput	annual throughput limit (any consecutive 12-month period unless otherwise
source number	limit	specified)
381	420,000 gal/hr	3.68 E 9 gal
382	420,000 gal/hr	3.68 E 9 gal
383	420,000 gal/hr	3.68 E 9 gal
384	420,000 gal/hr	3.68 E 9 gal
385	Table II-A	3.68 E 9 gal
386	1800 gal/hr	1.6 E 7 gal
387	Table II-A	7.884 E 6 gal
388	Table II-A	153,300 ton
389	0.21 ton/hr	1840 ton
390	N/A for tank	7.884 E 6 gal
392	N/A for tank	7.884 E 6 gal
400	N/A for sump	3.68 E 9 gal
401	N/A for sump	3.68 E 9 gal
425	Table II-A	25,000 bbl/day at S-425 and
		S-426 (annual average)
426	Table II-A	25,000 bbl/day at S-425 and
		S-426 (annual average)
432	Table II-A	2.8 E6 bbl
435	Table II-A	6.6 E 6 bbl
436	Table II-A	4.7 E 6 bbl
437	Table II-A	9.1 E 9 ft3
462	Table II-A	1.533 E 9 ft3
463	Table II-A	365,000 bbl
*1001	Table II-A	89,425 long ton for S-1001,
		1002, 1003 (98,915 long ton
		after S-1002, 1003 modified
		in accordance with A/C 5814
*1002	Table II-A	89,425 long ton for S-1001,
		1002, 1003 (98,915 long ton
		after S-1002, 1003 modified
		in accordance with A/C 5814
*1003	Table II-A	89,425 long ton for S-1001,
		1002, 1003 (98,915 long ton
		after S-1002, 1003 modified
		in accordance with A/C 5814
1007	Table II-A	3.68 E 9 gal
1008	Table II-A	3.68 E 9 gal
1009	Table II-A	3.68 E 9 gal

# **B. OTHER REQUIREMENTS**

The owner/operator shall notify the District in writing by fax or email no less than 1. Revision dated: December 16, 2004

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]

# 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.

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	40 CFR 61,	Y		Exemption for facilities	40 CFR 61,	P/A	report
	Subpart FF,			with less than 10 Mg/yr of	Subpart FF,		_
	61.342 (a)			benzene in waste	61.357 (c)		
HAP	40 CFR 63,	Y		wastewater standards of 40	40 CFR 63,	P/A	report
	Subpart CC,			CFR 61, Subpart FF,	Subpart CC,		
	63.647(a)			61.340 to 61.355 are	63.654(a)		
				applicable			
VOC	BAAQMD	Y		emission streams with 15	None	Ν	None
	Regulation			lb/day AND 300 ppm total			
	8-2-301			carbon on a dry basis			
				prohibited			
VOC	BAAQMD	Ν		5 ton/yr per solvent, surface	None	Ν	None
	Regulation			coating source			
	8-4-302.1						
	and						
	SIP 8-4-302	Y					
VOC	BAAQMD	Y		Tank cleaning control	BAAQMD 8-	P/A	source test
	Regulation 8-5-328.2			device standard includes 90% abatement efficiency	5-502		
	0-5-520.2			requirement			

 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	NSPS Subpart Kb 60.112b(a)( 2) and NESHAP Subpart CC 63.647(a)	Y		VOC concentrations shall not exceed 500 ppmv above background	NESHAP Subpart CC 63.642(e), 63.642(f) and 63.654(i)(4)	P/Q-visual and A- measuremen ts and reports	Visual inspections, portable HC detector (EPA Method 21) and records of detectable emissions, inspections and repairs
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	Ν	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	Ν	None
FP	BAAQMD Regulation 6-311	Y		No emissions from source > rate specified in rule	None for gaseous fired sources	Ν	None
SO2	BAAQMD Regulation 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)	at the request of the District, 9-1- 501 requires compliance with BAAQMD 1-510	С	SO2 GLM

# 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	N	Dute	operation of a sulfur	BAAQMD	P/A	source test
	Regulation			removal and recovery	Condition		
	9-1-313.2			system that removes and	19278, Part 1		
				recovers: 95% of H2S from			
				refinery fuel gas, 95% of			
				H2S and ammonia from			
				process water streams;			
				operation of a sulfur			
				recovery plant			
SO2	SIP	Y		operation of a sulfur	BAAQMD	P/A	source test
	Regulation			removal and recovery	Condition		
	9-1-313.2			system that removes and	19278, Part 1		
				recovers: 95% of H2S from			
				refinery fuel gas, 95% of			
				H2S and ammonia from			
				process water streams			
H2S	BAAQMD	Ν		Ground level concentrations < 0.06 ppm	BAAQMD 9-2-501,	С	Area Monitoring
	Regulation			averaged over 3	1-510, 1-530		
	9-2-301			consecutive minutes or <	1-540, 1-542,		
				0.03 ppm averaged over any 60 consecutive minutes	1-543 and 1-544		

# Table VII – All Sources Facility-Specific Generally Applicable Requirements

Table VII – A.1Applicable Limits and Compliance Monitoring RequirementsS-2 – UNIT 229, B-301 HEATER

	5-2 - ONIT 227, D-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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/A	source test			
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 7					

<b>5-2 – UNII 229, D-301 FIEATER</b>											
			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		Federal emissions:	None	Ν	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMBTU							
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records				
combustion	Condition			(see condition)	Condition						
emissions	1694, Part				1694, Part						
	A.1				A.5						
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records				
combustion	Condition			averaged over any year at	Condition						
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3						
	F.2										
02		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/A	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	Ν	None				
	6-301			than 3 minutes in any hour							
FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous fired						
					sources						

# Table VII – A.1 Applicable Limits and Compliance Monitoring Requirements S-2 – UNIT 229, B-301 HEATER

# Table VII – A.1 Applicable Limits and Compliance Monitoring Requirements S-2 – 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
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

# Table VII – A.2 Applicable Limits and Compliance Monitoring Requirements S-3 – 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
NOx	BAAQMD	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						

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S-3 – 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				
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	Ν	None				
	6-301			than 3 minutes in any hour							
				(gaseous fuel firing)							
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)					

# Table VII – A.2Applicable Limits and Compliance Monitoring RequirementsS-3 – UNIT 230, B-201 HEATER

# Table VII – A.2Applicable Limits and Compliance Monitoring RequirementsS-3 – 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
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

# Table VII – A.3 Applicable Limits and Compliance Monitoring Requirements S-4 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						

1	S-4 – 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					
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part							
	A.4		modified		A.3a							
			limit									
Fuel Flow		Y		No limit	BAAQMD	С	Fuel					
					9-10-502.2		Flowmeter					

# Table VII – A.3Applicable Limits and Compliance Monitoring RequirementsS-4 – UNIT 231, B-101 HEATER

Table VII – A.4Applicable Limits and Compliance Monitoring RequirementsS-5 – UNIT 231, B-102 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Ν	1/1/05 for monitor- ing only	Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	Ν	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.2	Y		346.5 MM BTU/hr averaged over any year at S-2, S-3, S-4, S-5, S-7	BAAQMD Condition 1694, Part F.3	P/M	records
02		N	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
СО	BAAQMD 9-10-305	N	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	Ν	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
<b>S-5 – UNIT 231, B-102 HEATER</b>

			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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

# Table VII – A.5Applicable Limits and Compliance Monitoring RequirementsS-7 – UNIT 231, B-103 HEATER

	57 Chil 201, 5 100 Hantler									
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	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test			
NOA	-	11				1/5A	source test			
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 7					
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None			
	9-10-303			Refinery-wide emissions:						
				0.20 lb NOx/MMBTU						
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records			
combustion	Condition			(see condition)	Condition					
emissions	1694, Part				1694, Part					
	A.1				A.5					

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S-7 – 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
all	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-2, S-3, S-4, S-5, S-7	1694, Part F.3		
	F.2						
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
			0.1		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	Ν	None
	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
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	N	None
	6-310.3			(gaseous fuel firing)			
	•				•		

# Table VII – A.5 Applicable Limits and Compliance Monitoring Requirements S-7 – UNIT 231, B-103 HEATER

	S-7 – UNIT 231, B-103 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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part						
	A.4		modified		A.3a						
			limit								
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

# Table VII – A.5Applicable Limits and Compliance Monitoring RequirementsS-7 – UNIT 231, B-103 HEATER

# Table VII – A.6Applicable Limits and Compliance Monitoring RequirementsS-8 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		

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<b>S-8</b> – UNIT 240, B-1 BOILER										
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type			
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records			
02		Y			BAAQMD 1-520.1	С	O2 Monitor			
02		Ν	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor			
СО	BAAQMD 9-10-305	Ν	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test			
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous- fueled sources	N	None			
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	Ν	None			
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None			
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	Ν	None			

## Table VII – A.6Applicable Limits and Compliance Monitoring RequirementsS-8 – UNIT 240, B-1 BOILER

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Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
<b>S-8 – UNIT 240, B-1 BOILER</b>

			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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

## Table VII – A.7 Applicable Limits and Compliance Monitoring Requirements S-9 – UNIT 240, B-2 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	BAAQMD	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			

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	<b>S-9 – UNIT 240, B-2 BOILER</b>									
			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	1/1/05 for	No limit	BAAQMD	С	O2 Monitor			
			monitor-		9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 2					
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test			
	9-10-305		monitor-		9-10-502.1					
			ing only							
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis			
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part					
	A.4		modified		A.3a					
			limit							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			

### Table VII – A.7 Applicable Limits and Compliance Monitoring Requirements S-9 – UNIT 240, B-2 BOILER

Table VII – A.8Applicable Limits and Compliance Monitoring RequirementsS-10 – UNIT 240, B-101 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Ν	1/1/05 for monitor- ing only	Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	С	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	Ν	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
all combustion emissions	BAAQMD Condition 1694, Part F.1	Y		993.7 MM BTU/hr averaged over any year at S-8, S-9, S-10, S-11, S-12, S-13, S-14	BAAQMD Condition 1694, Part F.3	P/M	records
02		Ν	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
СО	BAAQMD 9-10-305	N	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
Opacity	BAAQMD 6-304	Y		During tube cleaning, Ringelmann No. 2 for 3 min/hr and 6 min/billion BTU in 24 hours; applies to sources rated over 140 MM BTU/hr (with tubes)	None for gaseous- fueled sources	N	None
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	Ν	None

	S-10 – UNIT 240, B-101 HEATER									
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type			
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None			
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	N	None			
SO2	BAAQMD Condition 1694, Part A.4	Y	startup of S-36, S- 461 for modified limit	1,558 lb/day SO2 over any month (1,611 lb/day after startup of S-36 and S-461)	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis			
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	С	Fuel Flowmeter			

## Table VII – A.8 Applicable Limits and Compliance Monitoring Requirements S-10 – UNIT 240, B-101 HEATER

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
<b>S-11 – UNIT 240, B-201 HEATER</b>

			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		

S-11 – 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			
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records			
combustion	Condition			averaged over any year at	Condition					
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3					
	F.1			S-13, S-14						
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor			
			monitor-		9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 2					
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test			
	9-10-305		monitor-	11 ( ), 2)	9-10-502.1					
			ing only							
			0,		BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None			
1 2	6-301			than 3 minutes in any hour	gaseous-					
				5	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			<b>3 1 1 1</b>	gaseous-					
					fueled					
					sources					
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
~~-	Condition	-	S-36, S-	month (1,611 lb/day after	Condition	per day	analysis			
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part	1	J ~ ~			
	A.4		modified	1	A.3a					
			limit							
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
		-			9-10-502.2	-	Flowmeter			
		l	1							

### Table VII – A.9 Applicable Limits and Compliance Monitoring Requirements S-11 – UNIT 240, B-201 HEATER

	S-12 – UNIT 240, 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	BAAQMD	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMBTU							
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records				
combustion	Condition			(see condition)	Condition						
emissions	1694, Part				1694, Part						
	A.1				A.5						
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records				
combustion	Condition			averaged over any year at	Condition						
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3						
	F.1			S-13, S-14							
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					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.10 Applicable Limits and Compliance Monitoring Requirements S 12 UNIT 240 P 202 HEATER

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	S-12 – UNIT 240, B-202 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		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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part						
	A.4		modified		A.3a						
			limit								
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

### Table VII – A.10Applicable Limits and Compliance Monitoring RequirementsS-12 – UNIT 240, B-202 HEATER

### Table VII – A.11 Applicable Limits and Compliance Monitoring Requirements S-13 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		

	S-13 – 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					
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records					
combustion	Condition			averaged over any year at	Condition							
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3							
	F.1			S-13, S-14								
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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 MM								
				BTU/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							

### Table VII – A.11 Applicable Limits and Compliance Monitoring Requirements S-13 – UNIT 240, B-301 HEATER

## Table VII – A.11 Applicable Limits and Compliance Monitoring Requirements S-13 – 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
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

### Table VII – A.12 Applicable Limits and Compliance Monitoring Requirements S-14 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
combustion	Condition			averaged over any year at	Condition		
emissions	1694, Part			S-8, S-9, S-10, S-11, S-12,	1694, Part F.3		
	F.1			S-13, S-14			

S-14 – 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				
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					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 MM							
				BTU/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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part						
	A.4		modified		A.3a						
			limit								

### Table VII – A.12Applicable Limits and Compliance Monitoring RequirementsS-14 – UNIT 240, B-401 HEATER

# Table VII – A.12Applicable Limits and Compliance Monitoring RequirementsS-14 – UNIT 240, B-401 HEATER

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

### Table VII – A.13Applicable Limits and Compliance Monitoring RequirementsS-15 – UNIT 244, B-501 HEATER

				CIII 244, B-501 III	ſ		
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		

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		-	5-15	– UNIT 244, B-501 HE	LATER		
			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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
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			S-15, S-16, S-17, S-18, S-	Condition		
	20989,			19	20989, Part A		
	Part A						

### Table VII – A.13Applicable Limits and Compliance Monitoring RequirementsS-15 – UNIT 244, B-501 HEATER

 Table VII – A.14

 Applicable Limits and Compliance Monitoring Requirements

 S-16 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				

Type of LimitCitation FEFuture Effective billFuture Effective LimitMonitoring Requirement CitationMonitoring Trequency Monitoring TypeNOxBAAQMDYDateFederal emissions: 0.20 lb NOx/MMBTUNoneNoneAllBAAQMDNIFederal emissions: 0.20 lb NOx/MMBTUBAAQMDP/DrecordsCombustionConditionVIIFederal emissions: 0.20 lb NOx/MMBTUBAAQMDP/DrecordsCombustionConditionVIIIIIIAllBAAQMDNIIIIIICombustionConditionIIIIIIAllII/I/D for ing onlyNo limitBAAQMDCQ2 Monitor IIO2BAAQMDNI/I/D for ing onlyNo limitBAAQMDCQ2 Monitor ICOBAAQMDNI/I/D for ing onlyM00 ppmv (dry, 3% O <sub>2</sub> )BAAQMDP/SAsource testP10-305II/I/D for ing onlyMonitoring monitor ing onlyBAAQMDP/SAsource testCOBAAQMDYIII		S-16 – UNIT 244, B-502 HEATER												
Limitof LimitV/NDateLimitCitation(P/C/N)TypeNOxBAAQMDYSecondFederal emissions: 0.20 lb NOx/MMBTUNoneNNoneAllBAAQMDNNLeat ratings, firing limits (see condition)BAAQMDP/DrecordsConditionConditionSecondition1694, PartIIIIA.1IIIIIIIIIO2A.1IIIIIIIIIO2INNI/I/05 for monitor- ing onlyNo limitBAAQMDCO2 MonitorO2BAAQMDNI/I/05 for monitor- ing onlyNo limitBAAQMDCO2 MonitorO2BAAQMDNI/I/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMDP/SAsource test9-10-305NI/I/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMDP/SAsource test9-10-305NI/I/05 for monitor- ing onlyRingelmann 1 for no more than 3 minutes in any hour gaseous- fueldNoneNone0pacityBAAQMDYIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				Future		Monitoring	Monitoring							
NOxBAAQMDYFederal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTUNoneNNoneAllBAAQMDNheat ratings, firing limits (see condition)BAAQMDP/DrecordscombustionConditioniheat ratings, firing limits (see condition)BAAQMDP/DrecordsO2NN1/1/05 for monitor- ing onlyNo limitBAAQMDCO2 MonitorO2NN1/1/05 for monitor- ing onlyNo limitBAAQMD p-10-502.1CO2 MonitorCOBAAQMDN1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD p-10-502.1P/SAsource testCOBAAQMDN1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD p-10-502.1P/SAsource testOpacityBAAQMDY conditionRingelmann 1 for no more than 3 minutes in any hour gascous- fueled sourcesNoneNoneNoneFPBAAQMDY c-301Prohibition of nuisance courcesNone for gascous- fueled sourcesNone for gascous- fueledNoneNoneFPBAAQMDY c-310.30.15 grain/dscf @ 6% O2 sourcesNone for gascous- fueledNoneRTRS analysisSO2BAAQMDY condition1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMD ConditionP/3 timesTRS analysis	Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring						
9-10-303Image: second seco	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре						
Image: state s	NOx	BAAQMD	Y		Federal emissions:	None	Ν	None						
All combustion emissionsBAAQMD Condition 1694, Part A.1N eheat ratings, fring limits (see condition)BAAQMD Condition 1694, Part A.1P/D recordsrecordsO2N A.1N1/1/05 for monitor- ing onlyNo limitBAAQMD O onlinitC 9-10-502.1O2 Monitor onlinitO2N PN P1/1/05 for monitor- ing onlyNo limitBAAQMD O Condition 21235, Part 2CO2 Monitor onlinitC0BAAQMD PN P1/1/05 for monitor- ing only400 ppmv (dry, 3% O2) PBAAQMD PP/SA Psource test PC0BAAQMD PN P1/1/05 for monitor- ing only400 ppmv (dry, 3% O2) PBAAQMD PP/SA Psource test PC0BAAQMD PN PIRingelmann 1 for no more than 3 minutes in any hour gaseous- fueled sourcesNone gaseous- fueled sourcesNone gaseous- fueled sourcesFPBAAQMD PY PI0.15 grain/dscf @ 6% O2 month (1,611 lb/day afterNone for gaseous- fueled sourcesNone gaseous- fueled sourcesNone gaseous- fueled sourcesNone gaseous- fueled sourcesNone		9-10-303			Refinery-wide emissions:									
combustion emissionsCondition 1694, Part A.1Condition (see condition)Condition 1694, Part A.1O2N A.1N N1/1/05 for monitor- ing onlyNo limit monitor- ing onlyBAAQMD Condition 21235, Part 2C O2 MonitorC0BAAQMD 9-10-502.1N monitor- ing onlyN HO0 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SA PI-502.1C0BAAQMD 9-10-305N N monitor- ing onlyM400 ppmv (dry, 3% O2) 9-10-502.1BAAQMD PI-502.1P/SA PI-502.1C0BAAQMD 9-10-502.1N monitor- ing onlyN Monitor- ing only400 ppmv (dry, 3% O2) PI-502.1BAAQMD PI-502.1P/SA PI-502.1C0BAAQMD PI-SAN PI-SA PI-502.1P/SA PI-502.1Source test PI-502.1OpacityBAAQMD PIY PI PI PI AAQMDY PIRingelmann 1 for no more than 3 minutes in any hour PI <b< td=""><td></td><td></td><td></td><td></td><td>0.20 lb NOx/MMBTU</td><td></td><td></td><td></td></b<>					0.20 lb NOx/MMBTU									
emissions1694, Part A.1III <td>All</td> <td>BAAQMD</td> <td>Ν</td> <td></td> <td>heat ratings, firing limits</td> <td>BAAQMD</td> <td>P/D</td> <td>records</td>	All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records						
A.1i.i.i.i.i.i.i.i.A.5i.i.A.5i.i.O2O2I.i.N1/1/05 for monitor- ing onlyNo limitBAAQMD ConditionCO2 MonitorI.i.I.i.I.i.I.i.BAAQMD ConditionI.i.I.i.I.i.I.i.I.i.I.i.I.i.BAAQMD ConditionI.i.I.i.P-10-305N1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD P.10-502.1P/SAsource test9-10-305N1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD P.10-502.1P/SAsource test9-10-305NNonitor- ing onlyI.i.I.i.I.i.I.i.I.i.OpacityBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hour gascours- fueldNoneNoneFPBAAQMD 6-305YI.i.Prohibition of nuisance gascours- fueldNoneNoneFPBAAQMD 6-310.3YI.i.I.i.I.i.I.i.I.i.FPBAAQMD 6-310.3YI.i.I.i.I.i.I.i.I.i.I.i.FPBAAQMD 6-310.3YI.i.I.i.I.i.I.i.I.i.I.i.I.i.FPBAAQMD 6-310.3YI.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i.I.i. <t< td=""><td>combustion</td><td>Condition</td><td></td><td></td><td>(see condition)</td><td>Condition</td><td></td><td></td></t<>	combustion	Condition			(see condition)	Condition								
O2N1/1/05 for monitor- ing onlyNo limitBAAQMD 9-10-502.1CO2 Monitoring onlying onlyNo limit9-10-502.1BAAQMD Condition 21235, Part 2COBAAQMD P/SASource testCOBAAQMDN1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource testP-10-305N1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD 9-10-502.1P/SAsource testOpacityBAAQMD 6-301YRingelmann 1 for no more than 3 minutes in any hourNone for gascous- fueled sourcesNNoneFPBAAQMD 6-305YProhibition of nuisanceNone gascous- fueled sourcesNone fueled sourcesNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2 sourcesNone for gascous- fueled sourcesNNoneSO2BAAQMD ConditionYstartup of S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMD ConditionP/3 times analysisTRS analysis	emissions	1694, Part				1694, Part								
And the second		A.1				A.5								
And the second	O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor						
Add Mark ConditionN L1/1/05 for monitor- ing only400 ppmv (dry, 3% O_2)BAAQMD 21235, Part 2P/SAsource test9-10-305N 9-10-3051/1/05 for monitor- ing only400 ppmv (dry, 3% O_2)BAAQMD 9-10-502.1P/SAsource test9-10-305N 9-10-305Monitor- ing onlyBAAQMD Noneitor- ing onlyBAAQMD ConditionP/SAsource test0pacityBAAQMD 6-301Y FPRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueledNoneNoneFPBAAQMD 6-305Y FPImage and the second				monitor-		9-10-502.1								
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COBAAQMDN1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMDP/SAsource test9-10-3059-10-305N1/1/05 for monitor- ing only400 ppmv (dry, 3% O2)BAAQMD9-10-502.1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>Condition</td><td></td><td></td></td<>						Condition								
9-10-3059-10-305monitor- ing onlymonitor- ing only9-10-502.19-10-502.1BAAQMDHHBAAQMDCondition 21235, Part 8BAAQMDOpacityBAAQMDYImage: Second Se						21235, Part 2								
Appendix and the second seco	СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test						
Add MD Condition 21235, Part 8BAAQMD Condition 21235, Part 8NoneOpacityBAAQMD 6-301Y V V VRingelmann 1 for no more than 3 minutes in any hour than 3 minutes in any hour SourcesNone for gaseous- fueledN NoneFPBAAQMD 6-305Y VProhibition of nuisance PNone for NoneN NoneFPBAAQMD 6-305Y VProhibition of nuisance PNone for NoneN NoneFPBAAQMD 6-310.3Y V0.15 grain/dscf@6% O2 VNone for gaseous- fueledN NoneFPBAAQMD 6-310.3Y VImage: Sources VNone for SourcesN NoneSO2BAAQMD ConditionY Vstartup of S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMD ConditionP/3 times per dayTRS analysis		9-10-305		monitor-		9-10-502.1								
Image: section of the section of th				ing only										
Image: series of the series						BAAQMD								
OpacityBAAQMD 6-301Y aRingelmann 1 for no more than 3 minutes in any hourNone for gaseous- fueled sourcesNNoneFPBAAQMD 6-305Y aProhibition of nuisanceNoneNNoneFPBAAQMD 6-305Y a0.15 grain/dscf @ 6% O2None for gaseous- fueled sourcesNNoneFPBAAQMD 6-310.3Y a0.15 grain/dscf @ 6% O2None for gaseous- fueled sourcesNNoneSO2BAAQMD ConditionY startup of S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMD ConditionP/3 times per dayTRS analysis						Condition								
6-301than 3 minutes in any hourgaseous- fueled sourcesFPBAAQMD 6-305Y -Prohibition of nuisanceNoneNFPBAAQMD 6-310.3Y -0.15 grain/dscf @ 6% O2None for gaseous- fueled -NFPBAAQMD 6-310.3Y -0.15 grain/dscf @ 6% O2None for -NSO2BAAQMD ConditionY -startup of S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMD -P/3 times -TRS analysis						21235, Part 8								
FPBAAQMDY 6-305Prohibition of nuisanceNoneNFPBAAQMDY 6-30500.15 grain/dscf @ 6% O2None for gaseous- fueledNNoneFPBAAQMDY 6-310.30.15 grain/dscf @ 6% O2None for gaseous- fueledNNoneSO2BAAQMDY S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMDP/3 times per dayTRS analysis	Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	Ν	None						
FPBAAQMDY 6-305Prohibition of nuisanceNoneNNoneFPBAAQMDY 6-30500.15 grain/dscf @ 6% O2None for gaseous- fueledNNoneFPBAAQMDY 6-310.30.15 grain/dscf @ 6% O2None for fueledNNoneSO2BAAQMDY S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMDP/3 times per dayTRS analysis		6-301			than 3 minutes in any hour	gaseous-								
FPBAAQMD 6-305YProhibition of nuisanceNoneNNoneFPBAAQMD 6-310.3Y0.15 grain/dscf @ 6% O2None for gaseous- fueledNNoneSO2BAAQMD ConditionYstartup of S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMD ConditionP/3 times per dayTRS analysis						fueled								
6-30560NNoneFPBAAQMDY0.15 grain/dscf @ 6% O2None for gaseous- fueled sourcesNN6-310.3VV0.15 grain/dscf @ 6% O2None for gaseous- fueled sourcesNNoneSO2BAAQMDY S-36, S-1,558 lb/day SO2 over any month (1,611 lb/day afterBAAQMDP/3 times per dayTRS analysis						sources								
FP       BAAQMD       Y       0.15 grain/dscf @ 6% O2       None for gaseous-fueled sources       N       None         SO2       BAAQMD       Y       startup of Condition       1,558 lb/day SO2 over any month (1,611 lb/day after       BAAQMD       P/3 times       TRS analysis	FP	BAAQMD	Y		Prohibition of nuisance	None	Ν	None						
6-310.3       6-310.3       gaseous-fueled         6-310.3       1,558 lb/day SO2 over any       gaseous-fueled         SO2       BAAQMD       Y       startup of         Condition       S-36, S-       month (1,611 lb/day after       Condition       P/3 times       TRS		6-305												
SO2     BAAQMD     Y     startup of S-36, S-     1,558 lb/day SO2 over any month (1,611 lb/day after     BAAQMD     P/3 times     TRS analysis	FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None						
SO2BAAQMDYstartup of1,558 lb/day SO2 over anyBAAQMDP/3 timesTRSConditionS-36, S-month (1,611 lb/day afterConditionper dayanalysis		6-310.3				gaseous-								
SO2BAAQMDYstartup of1,558 lb/day SO2 over anyBAAQMDP/3 timesTRSConditionS-36, S-month (1,611 lb/day afterConditionper dayanalysis						fueled								
ConditionS-36, S-month (1,611 lb/day afterConditionper dayanalysis						sources								
	SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS						
1694, Part         461 for         startup of S-36 and S-461)         1694, Part		Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis						
		1694, Part		461 for	startup of S-36 and S-461)	1694, Part								
A.4 modified A.3a		A.4		modified		A.3a								
limit				limit										

## Table VII – A.14 Applicable Limits and Compliance Monitoring Requirements S-16 – UNIT 244, B-502 HEATER

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## Table VII – A.14 Applicable Limits and Compliance Monitoring Requirements S-16 – 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
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			S-15, S-16, S-17, S-18, S-	Condition		
	20989,			19	20989, Part A		
	Part A						

### Table VII – A.15Applicable Limits and Compliance Monitoring RequirementsS-17 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		

			<b>S-17</b>	– UNIT 244, B-503 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
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
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			S-15, S-16, S-17, S-18, S-	Condition		
	20989,			19	20989, Part A		
	Part A						

### Table VII – A.15Applicable Limits and Compliance Monitoring RequirementsS-17 – UNIT 244, B-503 HEATER

# Table VII – A.16Applicable Limits and Compliance Monitoring RequirementsS-18 – UNIT 244, B-504 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Ν	1/1/05 for monitor- ing only	Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	С	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	Ν	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
02		N	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
СО	BAAQMD 9-10-305	Ν	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	Ν	None
SO2	BAAQMD Condition 1694, Part A.4	Y	startup of S-36, S- 461 for modified limit	1,558 lb/day SO2 over any month (1,611 lb/day after startup of S-36 and S-461)	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

## Table VII – A.16Applicable Limits and Compliance Monitoring RequirementsS-18 – UNIT 244, B-504 HEATER

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		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S-15, S-16, S-17, S-18, S-	Condition		
	20989,			19	20989, Part A		
	Part A						

### Table VII – A.17 Applicable Limits and Compliance Monitoring Requirements S-19 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		

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			5-19	– 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
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
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			S-15, S-16, S-17, S-18, S-	Condition		
	20989,			19	20989, Part A		
	Part A						

### Table VII – A.17Applicable Limits and Compliance Monitoring RequirementsS-19 – UNIT 244, B-505 HEATER

# Table VII – A.18Applicable Limits and Compliance Monitoring RequirementsS-20 – UNIT 244, B-506 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Ν	1/1/05 for monitor- ing only	Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/A	source test
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
02		N	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
СО	BAAQMD 9-10-305	N	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	Ν	None

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
<b>S-20 – UNIT 244, B-506 HEATER</b>

			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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
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 RequirementsS-21 – UNIT 244, B-507 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				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		

Table VII – A.19
Applicable Limits and Compliance Monitoring Requirements
<b>S-21 – UNIT 244, B-507 HEATER</b>

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	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
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 RequirementsS-22 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		

	S-22 – 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					
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-	11 ( ), 2)	9-10-502.1							
			ing only									
			0,		BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None					
1 5	6-301			than 3 minutes in any hour	gaseous-							
				5	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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		2					
	A.4		modified	•	A.3a							
			limit									
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 RequirementsS-22 – UNIT 248, B-606 HEATER

	S-29 – 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					
NOx	BAAQMD	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMBTU								
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records					
combustion	Condition			(see condition)	Condition							
emissions	1694, Part				1694, Part							
	A.1				A.5							
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 7							
CO	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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.21 Applicable Limits and Compliance Monitoring Requirements S 20 Limits and Compliance Monitoring Requirements

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
<b>S-29 – UNIT 200, B-5 HEATER</b>

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	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
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.22Applicable Limits and Compliance Monitoring RequirementsS-30 – UNIT 200, B-101 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

I	S-30 – 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					
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records					
combustion	Condition			(see condition)	Condition							
emissions	1694, Part				1694, Part							
	A.1				A.5							
02		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 7							
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part							
	A.4		modified		A.3a							
			limit									
Fuel Flow		Y		No limit	BAAQMD	С	Fuel					
					9-10-502.2		Flowmeter					

### Table VII – A.22 Applicable Limits and Compliance Monitoring Requirements S-30 – UNIT 200, B-101 HEATER

## Table VII – A.22 Applicable Limits and Compliance Monitoring Requirements S-30 – 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
throughput	BAAQMD	Y		4.2 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

## Table VII – A.23Applicable Limits and Compliance Monitoring RequirementsS-31 – UNIT 200, B-501 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		

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	S-31 – 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					
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/A	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part							
	A.4		modified		A.3a							
			limit									
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.23 Applicable Limits and Compliance Monitoring Requirements S-31 – UNIT 200, B-501 HEATER

# Table VII – A.24Applicable Limits and Compliance Monitoring RequirementsS-36 – UNIT 200, B-102 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y	startup	CEM for NOx and O2 (or CO2)	BAAQMD 1-520.8	С	CEM
NOx	BAAQMD Condition 21097, Part 3b	Y	after initial performa nce test	10 ppmv NOx at 3% O2 (3 hour average), except startups and shutdowns	BAAQMD Condition 21097, Part 5a	С	CEM
All combustion emissions	BAAQMD Condition 21097, Part 2	Y	startup	heat ratings, firing limits	BAAQMD Condition 21097, Part 4	С	continuous fuel flow monitor
02		Y	startup	No limit	BAAQMD Condition 21097, Part 5a	С	O2 Monitor
СО	BAAQMD Condition 21097, Part 3b	Y	after initial performa nce test	28 ppmv CO at 3% O2 (8 hour average), except startups and shutdowns	BAAQMD Condition 21097, Part 5b	P/SA	source test
РОС	BAAQMD Condition 21097, Part 3b	Y	after initial performa nce test	5.5 lb POC per MM ft3 of fuel	BAAQMD Condition 21097, Part 8	E/startup	source test
PM10	BAAQMD Condition 21097, Part 3b	Y	after initial performa nce test	7.6 lb PM10 per MM ft3 of fuel	BAAQMD Condition 21097, Part 8	E/startup	source test
ammonia	BAAQMD Condition 21097, Part 3b	N	after initial performa nce test	10 ppmv amonia at 3% O2 (8 hour average), except startups and shutdowns	BAAQMD Condition 21097, Part 8	E/startup	source test
Opacity	BAAQMD 6-301	Y	startup	Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	Ν	None

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### VII. Applicable Limits and Compliance Monitoring Requirements

<b>S-30 – UNIT 200, B-102 HEATER</b>									
			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	startup	Prohibition of nuisance	None for	Ν	None		
	6-305				gaseous-				
					fueled				
					sources				
FP	BAAQMD	Y	startup	0.15 grain/dscf @ 6% O2	None for	Ν	None		
	6-310.3				gaseous-				
					fueled				
					sources				
SO2	BAAQMD	Y	startup	1,611 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month	Condition	per day	analysis		
	1694, Part				1694, Part				
	A.4				A.3a				
TRS	BAAQMD	Y	startup	100 ppmv TRS (1 day	BAAQMD	С	TRS		
	Condition			average), 45 ppmv TRS	Condition		analysis		
	21097,			(annual average)	21097, Part				
	Part 6				7a, 7b				
H2S	40 CFR 60	Y	startup	fuel gas H2S concentration	40 CFR 60	С	H2S		
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer		
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)				
	(1)			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					

### Table VII – A.24 Applicable Limits and Compliance Monitoring Requirements S-36 – UNIT 200, B-102 HEATER

Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS-43 – UNIT 200, B-202 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	1/1/05 for	CEM for NOx and O2 (or	BAAQMD	С	CEM
			monitor-	CO2)	1-520.8		
			ing only				
NOx	BAAQMD	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
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	NOx, O2
	Condition			over any 8 hours, except	Condition		CEM
	1694, Part			startups and shutdowns, at	1694, Part		
	D.2			S-43, S-44	D.4		
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
02		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
02		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					1694, Part		
					D.4		
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		

S-43 – 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		
СО	BAAQMD	Ν	1/1/05 for	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test		
	Condition		monitor-	any month, except startups	9-10-502.1				
	1694, Part		ing only	and shutdowns, at S-43, S-					
	D.3			44	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 MM					
				BTU/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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis		
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part				
	A.4		modified		A.3a				
			limit						

### Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS-43 – UNIT 200, B-202 HEATER

<b>5-45</b> – UNII 200, <b>D-202</b> 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 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S		
	Subpart J			limited to 230 mg/dscm	Subpart		analyzer		
	60.104(a)			(0.10 gr/dscf) except for gas	J,60.105(a)(4)				
	(1)			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		19.1 E 6 therm/yr	BAAQMD	P/M	records		
	Condition				Condition				
	20989,				20989, Part A				
	Part A								

## Table VII – A.25Applicable Limits and Compliance Monitoring RequirementsS-43 – UNIT 200, B-202 HEATER

Table VII – A.26Applicable Limits and Compliance Monitoring RequirementsS-44 – UNIT 200, 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		Y	1/1/05 for	CEM for NOx and O2 (or	BAAQMD	С	CEM
			monitor-	CO2)	1-520.8		
			ing only				
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				

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<b>S-44 – UNIT 200, B-201 HEATER</b>										
			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		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			S-43, S-44	D.4					
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records			
combustion	Condition			(see condition)	Condition					
emissions	1694, Part				1694, Part					
	A.1				A.5					
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor			
			monitor-		9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 2					
O2		Y		No limit	BAAQMD	С	O2 Monitor			
					Condition					
					1694, Part					
					D.4					
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test			
	9-10-305		monitor-		9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 8					
СО	BAAQMD	Y	1/1/05 for	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test			
	Condition		monitor-	any month, except startups	9-10-502.1					
	1694, Part		ing only	and shutdowns, at S-43, S-						
	D.3			44	BAAQMD					
					Condition					
					21235, Part 8					

## Table VII – A.26Applicable Limits and Compliance Monitoring RequirementsS-44 – UNIT 200, B-201 HEATER

I	S-44 – 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				
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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part						
	A.4		modified		A.3a						
			limit								
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S				
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer				
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)						
	(1)			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	-	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 RequirementsS-44 – UNIT 200, B-201 HEATER

	S-50, S-51, S-52 – TURBINE STARTUP ENGINES										
Type of Limit	Citation of	FE	Future Effective	Limit	Monitoring Requirement Citation	Monitoring Frequency	Monitoring				
	Limit	Y/N	Date	-		(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	9-8-111.1	Y		Exemptions: Engines rated	BAAQMD	P/M	records				
operation				at or below 1000 brake	9-8-502						
1				horsepower which operate							
				less than 200 hours in any							
				12-consecutive month							
Harris		N		period	DAAOMD	D/M	mananda				
Hours of	BAAQMD	N		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.27 Applicable Limits and Compliance Monitoring Requirements S 50 S 51 S 52 TURPINE STARTUR ENCINES

 Table VII – A.28

 Applicable Limits and Compliance Monitoring Requirements

 S-53, S-54, S-55, S-56, S-57, S-58, S-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						

	Applicable Limits and Compliance Monitoring Requirements											
	S-53, S-54, S-55, S-56, S-57, S-58, S-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					
FP	BAAQMD	Y		0.15 gr/dscf	None	Ν	N/A					
	6-310											
Hours of	BAAQMD	N		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					
SO2	BAAQMD	Y		Fuel Sulfur Limit	None	P/E	fuel					
	9-1-304			0.5% by weight			certification					

## Table VII – A.28

#### Table VII – A.29

#### **Applicable Limits and Compliance Monitoring Requirements**

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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		

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S-336 – UNIT 231, B-104 HEATER

	S-336 – 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					
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	Ν	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part							
	A.4		modified		A.3a							
			limit									

## Table VII – A.29 Applicable Limits and Compliance Monitoring Requirements S-336 – UNIT 231, B-104 HEATER

<b>S-330</b> – 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		
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S		
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer		
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)				
	(1)			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		9.2 E 6 therm/yr	BAAQMD	P/M	records		
	Condition				Condition				
	20989,				20989, Part A				
	Part A								

## Table VII – A.29 Applicable Limits and Compliance Monitoring Requirements S-336 – UNIT 231, B-104 HEATER

 Table VII – A.30

 Applicable Limits and Compliance Monitoring Requirements

 S-337 – 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	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		

	S-337 – 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					
NOx	BAAQMD	Y		Federal emissions:	None	Ν	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMBTU								
All	BAAQMD	N		heat ratings, firing limits	BAAQMD	P/D	records					
combustion	Condition			(see condition)	Condition							
emissions	1694, Part				1694, Part							
	A.1				A.5							
O2		Ν	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
			0 9		BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part							
	A.4		modified		A.3a							
			limit									

## Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S-337 – UNIT 231, B-105 HEATER

S-337 – 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		
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S		
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer		
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)				
	(1)			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		2.8 E 6 therm/yr	BAAQMD	P/M	records		
	Condition				Condition				
	20989,				20989, Part A				
	Part A								

## Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S-337 – UNIT 231, B-105 HEATER

## Table VII – A.31Applicable Limits and Compliance Monitoring RequirementsS-351 – UNIT 267, B-601/602 HEATERS

The second		EE.	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	1/1/05 for	CEM for NOx and O2 (or	BAAQMD	С	CEM
			monitor-	CO2)	1-520.8		
			ing only				
NOx	BAAQMD	Ν	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				

## Table VII – A.31Applicable Limits and Compliance Monitoring RequirementsS-351 – UNIT 267, B-601/602 HEATERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
NOx	BAAQMD Condition 1694, Part B.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns, at S-351	BAAQMD Condition 1694, Part B.3	С	NOx, O2 CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
02		N	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
02		Y		No limit	BAAQMD Condition 1694, Part B.3	С	O2 Monitor
СО	BAAQMD 9-10-305	N	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None

## Table VII – A.31Applicable Limits and Compliance Monitoring RequirementsS-351 – UNIT 267, B-601/602 HEATERS

Type of	Citation	FE	Future Effective	T	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	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J,		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			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						

Table VII – A.32Applicable Limits and Compliance Monitoring RequirementsS-371 – UNIT 228, B-520 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	N	1/1/05 for monitor- ing only	Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	С	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
NOx	BAAQMD Condition 1694, Part C.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns	None	С	CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
02		Ν	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
СО	BAAQMD 9-10-305	Ν	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
СО	BAAQMD Condition 1694, Part C.3	Y	1/1/05 for monitor- ing only	50 ppmv CO at 3% O2 over any 3 hours, except startups and shutdowns	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	Ν	None

	h		5-3/1	– UNIT 228, B-520 FU	KNACE		
			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		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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J,		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			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 S-371	BAAQMD	P/M	records
	Condition			and S-372 combined	Condition		
	20989,				20989, Part A		
	Part A						

## Table VII – A.32 Applicable Limits and Compliance Monitoring Requirements S-371 – UNIT 228, B-520 FURNACE

Table VII – A.33Applicable Limits and Compliance Monitoring RequirementsS-372 – UNIT 228, B-521 FURNACE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	Ν	1/1/05 for monitor- ing only	Refinery-wide emissions: 0.033 lb NOx/ MMBTU	BAAQMD 9-10-502.1	С	CEM
NOx	BAAQMD 9-10-303	Y		Federal emissions: Refinery-wide emissions: 0.20 lb NOx/MMBTU	None	N	None
NOx	BAAQMD Condition 1694, Part C.2	Y		20 ppmv NOx at 3% O2 over any 3 hours, except startups and shutdowns	None	С	NOx, O2 CEM
All combustion emissions	BAAQMD Condition 1694, Part A.1	N		heat ratings, firing limits (see condition)	BAAQMD Condition 1694, Part A.5	P/D	records
02		Ν	1/1/05 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	С	O2 Monitor
СО	BAAQMD 9-10-305	Ν	1/1/05 for monitor- ing only	400 ppmv (dry, 3% O <sub>2</sub> )	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
СО	BAAQMD Condition 1694, Part C.3	Y	1/1/05 for monitor- ing only	50 ppmv CO at 3% O2 over any 3 hours, except startups and shutdowns	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 8	P/SA	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	N	None

	n		5-574	– UNIT 228, B-521 FU	KNACE		
			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		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	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			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 S-371	BAAQMD	P/M	records
	Condition			and S-372 combined	Condition		
	20989,				20989, Part A		
	Part A						

## Table VII – A.33Applicable Limits and Compliance Monitoring RequirementsS-372 – UNIT 228, B-521 FURNACE

## Table VII – A.34Applicable Limits and Compliance Monitoring RequirementsS-438 – UNIT 110, H-1 FURNACE

Revision dated: December 16, 2004

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	Y		10 ppmv NOx at 3% O2	None	С	CEM
	Condition			over any 3 hours, except			
	1694, Part			startups and shutdowns, at			
	E.4			S-438			
All	BAAQMD	Ν		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part				1694, Part		
	A.1				A.5		
all	BAAQMD	Y		2.04 E 12 BTU/yr fuel	BAAQMD	P/D	records
combustion	Condition			combustion at S-438	Condition		
emissions	1694, Part				1694, Part		
	E.2				E.6		
O2		Y		No limit	None	С	O2 Monitor
CO	BAAQMD	Y		32 ppmv CO at 3% O2 over	None	Ν	None
	Condition			any 24 hr, except startups			
	1694, Part			and shutdowns, at S-438			
	E.4						
TRS	BAAQMD	Y		1 ppmw TRS in PSA offgas	Overall fuel	P/D	records
	Condition			used as fuel, at S-438	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, at S-438	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 MM			
				BTU/hr (with tubes)			

	n		5-430	8 – UNIT 110, H-1 FUR	INACE		·
			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 6-305	Y		Prohibition of nuisance	None	Ν	None
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S-36, S-	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR	С	H2S
	Subpart J			limited to 230 mg/dscm	40 CFR		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			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			

## Table VII – A.34Applicable Limits and Compliance Monitoring RequirementsS-438 – UNIT 110, H-1 FURNACE

## Table VII – A.35Applicable Limits and Compliance Monitoring RequirementsS-461 – UNIT 250, B-701 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx		Y	startup	CEM for NOx and O2 (or CO2)	BAAQMD 1-520.8	С	CEM
NOx	BAAQMD Condition 21096, Part 3b	Y	after initial performa nce test	10 ppmv NOx at 3% O2 (3 hour average), except startups and shutdowns	BAAQMD Condition 21096, Part 5a	С	CEM
All combustion emissions	BAAQMD Condition 21096, Part 2	Y	startup	heat ratings, firing limits (see condition)	BAAQMD Condition 21096, Part 4	С	continuous fuel flow monitor
02		Y	startup	No limit	BAAQMD Condition 21096, Part 5a	С	O2 Monitor
СО	BAAQMD Condition 21096, Part 3b	Y	after initial performa nce test	28 ppmv CO at 3% O2 (8 hour average) when fired 50% capacity or more and 50 ppmv CO at 3% O2 (8 hour average) when fired less than 50% capacity, except startups and shutdowns	BAAQMD Condition 21096, Part 5b	P/SA	source test
POC	BAAQMD Condition 21096, Part 3b	Y	after initial performa nce test	5.5 lb POC per MM ft3 of fuel	BAAQMD Condition 21096, Part 8	E/startup	source test
PM10	BAAQMD Condition 21096, Part 3b	Y	after initial performa nce test	7.6 lb PM10 per MM ft3 of fuel	BAAQMD Condition 21096, Part 8	E/startup	source test
ammonia	BAAQMD Condition 21096, Part 3b	N	after initial performa nce test	10 ppmv amonia at 3% O2 (8 hour average), except startups and shutdowns	BAAQMD Condition 21096, Part 8	E/startup	source test

	h		5-401	– UNIT 250, B-701 H		1	·
			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	startup	Ringelmann 1 for no more	None for	Ν	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y	startup	Prohibition of nuisance	None for	Ν	None
	6-305				gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y	startup	0.15 grain/dscf @ 6% O2	None for	Ν	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,611 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month	Condition	per day	analysis
	1694, Part				1694, Part		
	A.4				A.3a		
TRS	BAAQMD	Y	startup	100 ppmv TRS (1 day	BAAQMD	С	TRS
	Condition			average), 45 ppmv TRS	Condition		analysis
	21096,			(annual average)	21096, Part		
	Part 6				7a, 7b		
H2S	40 CFR 60	Y	startup	fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			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			

### Table VII – A.35 Applicable Limits and Compliance Monitoring Requirements S-461 – UNIT 250, B-701 HEATER

## Table VII – B Applicable Limits and Compliance Monitoring Requirements S-400 WET WEATHER WASTEWATER SUMP S-401 DRY WEATHER WASTEWATER SUMP

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		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.b						
VOC	NSPS	Y		No visible gaps or cracks in	NSPS	P/SA	Visual
	Subpart			joints or seals, or other	Subpart		inspections
	QQQ, 40			problems that could result	QQQ, 40		
	CFR			in VOC emissions	CFR 60.692-		
	60.692-				2(c)(2)		
	2(c)(1)						
throughput	BAAQMD	Y		3.68 E 9 gal/yr each for S-	BAAQMD	P/M	records
	Condition			400, S-401	Condition		
	20989,				20989, Part A		
	Part A						

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Trung of	Citation of	FE	Future Effective		Monitoring Bagyingmont	Monitoring	Monitoring
Type of				<b>T</b> • •/	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, acess doors, and other	8-8-306.1		inspections
				openings in the effluent			
				channel greater than 0.32			
				cm (0.125 inch) between			
				the roof and wall			

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-324 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	NSPS	Y		Fixed roof access doors or	NSPS	P/SA	Visual
	Subpart			openings shall be gasketed,	Subpart		inspections
	QQQ, 40			latched, and kept closed	QQQ, 40		
	CFR				CFR 60.692-		
	60.692-3(a)				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 – D Applicable Limits and Compliance Monitoring Requirements S-1007 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			

	S-1007 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 S-1007 DISSOLVED AIR FLOTATION UNIT

Table VII - EApplicable Limits and Compliance Monitoring RequirementsS-381 AERATION TANK F-201S-382 AERATION TANK F-202S-383 CLARIFIER F-203S-384 CLARIFIER F-204

VII. Applicable Limits and Compliance Monitoring Requirement
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			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 S-	BAAQMD	P/M	records
put	Condition			381, S-382, S-383, S-384	Condition		
	20989, Part				20989, Part A		
	А						

## Table VII - F Applicable Limits and Compliance Monitoring Requirements S-1008 PRIMARY STORMWATER BASIN S-1009 MAIN STORMWATER BASIN

S-1009	MAIN S	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
Through-	BAAQMD	Y		3.68 E 9 gal/yr each for S-	BAAQMD	P/M	records
put	Condition			1008, S-1009	Condition		
	20989, Part				20989, Part A		
	А						

#### Table VII – G

#### Applicable Limits and Compliance Monitoring Requirements S-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207 S-386 – PAC REGENERATION SLUDGE THICKENER F-211 S-387 – WET AIR REGENERATION SYSTEM P-202 S-390 – THICKENED SLUDGE STORAGE F-106 S-392 – REGENERATED PAC SLURRY STORAGE F-266

Type of	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	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						

Table VII – GApplicable Limits and Compliance Monitoring RequirementsS-385 – WASTEWATER EFFLUENT MEDIA FILTER F-207S-386 – PAC REGENERATION SLUDGE THICKENER F-211S-387 – WET AIR REGENERATION SYSTEM P-202S-390 – THICKENED SLUDGE STORAGE F-106S-392 – REGENERATED PAC SLURRY STORAGE F-266

Type of	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
Through-	BAAQMD	Y		S-385: 3.68 E 9 gal/yr	BAAQMD	P/M	records
put	Condition			S-386: 1.6 E 7 gal/yr,	Condition		
	20989, Part			S-387: 7.884 E 6 gal/yr	20989, Part A		
	А			S-390: 7.884 E 6 gal/yr			
				S-392: 7.884 E 6 gal/yr			

 Table VII – H

 Applicable Limits and Compliance Monitoring Requirements

 WASTEWATER JUNCTION BOXES

Type of	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
None							
VOC	NSPS	Y		Junction box covers shall	NSPS	P/SA	Visual
	Subpart			have a tight seal around the	Subpart		inspections
	QQQ, 40			edge and kept in place at all	QQQ, 40		
	CFR			times	CFR 60.692-		
	60.692-				2(b)(3)		
	2(b)(2)						

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		WA	STEWATI	ER PROCESS SEWERS/S	SEWER LINE	S	
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	NSPS	Y		No visible gaps or cracks in	NSPS	P/SA	Visual
	Subpart			joints or seals, or other	Subpart		inspections
	QQQ, 40			problems that could result	QQQ, 40		
	CFR			in VOC emissions	CFR 60.692-		
	60.692-				2(c)(2)		
	2(c)(1)						

#### Table VII – I Applicable Limits and Compliance Monitoring Requirements WASTEWATER PROCESS SEWERS/SEWER LINES

 Table VII – J

 Applicable Limits and Compliance Monitoring Requirements

 WASTEWATER GAUGING AND SAMPLING DEVICES

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
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 – K
Applicable Limits and Compliance Monitoring Requirements
S294 – Non-Retail Gasoline Dispensing Facility

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		Vapor recovery	BAAQMD	А	Vapor
	Regulation			equipment shall be	Regulation		tightness test
	8-7-301.6			leak-free and vapor	8-7-301.13		
	and 8-7-			tight			
	302.5						
VOC	BAAQMD	Ν		98% or highest vapor	None	Ν	None
	Regulation			recovery rate specified			
	8-7-301.10			by CARB			

	S294 – NON-RETAIL GASOLINE DISPENSING FACILITY									
			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			None	BAAQMD	А	Backpressure			
					Regulation		test			
					8-7-302.14					
VOC	BAAQMD	Ν		Fugitives < 0.42	None	Ν	None			
	Regulation			lb/1000 gallon						
	8-7-313.1									
VOC	BAAQMD	Ν		Spillage $\leq 0.42$	None	Ν	None			
	Regulation			lb/1000 gallon						
	8-7-313.2									
VOC	BAAQMD	Ν		Liquid Retain +	None	Ν	None			
	Regulation			Spitting $\leq 0.42$						
	8-7-313.3			lb/1000 gallon						
VOC	SIP	Y		95% recovery of	None	Ν	None			
	Regulation			gasoline vapors						
	8-7-301.2									
VOC	California	Ν		leakage levels as	BAAQMD	leak test	P/36 months			
	Air			specified in Executive	Condition					
	Resources			Order VR-101	18680, Part 2					
	Board									
	Executive									
	Order VR-									
41	101	N		400,000 gal/yr		P/A	Decende			
throughpu	BAAQMD Condition	Ν		400,000 gai/yr	BAAQMD Regulation	P/A	Records			
t	7523				8-7-503					
	1323				8-7-505					
					BAAQMD	P/M	Records			
					Condition	1 / 191	Records			
					20989, Part A					
throughpu	BAAQMD	Y		20 gpm	None	N	None			
t	Condition	-		- · 8P	1,0110	± '				
-	20989, Part									
	Α									

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## Table VII – K Applicable Limits and Compliance Monitoring Requirements S294 – Non-RETAIL GASOLINE DISPENSING FACILITY

#### Table VII - L

#### **Applicable Limits and Compliance Monitoring Requirements**

#### S-296 – C-1 FLARE S-398 – MP-30 FLARE

#### [Flares which are visually inspected upon release, with no remote viewing system]

			Future	pected upon release,	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
				The local second local	_		_
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
	Regulation			more than 3 minutes/hr	Condition		Inspection
ED	6-301				18255, Part 4	21	
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	Ν	None
FP	BAAQMD	Y	12/1/04	No emissions from source >	BAAQMD	P/E	Visual
	Regulation			0.15 grains per dscf of gas	Condition		Inspection
	6-310			volume	18255, Part 4		_
SO2	60.104(a)(1	Y		S-398 is exempt per	None	Ν	None
	)			restriction in Condition			
				18255, Part 7; does not			
				apply to S-296			
All		Ν			BAAQMD	P/C	Flow Rate
					Regulation 12-		
					11-501 &		
					12-11-505		
All		Ν			BAAQMD	P/E	Composition
					Regulation		
					12-11-502.1 &		
					12-11-505		
All		Ν			BAAQMD	P/E	Composition
					Regulation		
					12-11-502.3 &		
					12-11-505		
All		Ν			BAAQMD	P/C	Flame
					Regulation		Detector
					12-11-503 &		
					12-11-505	<b>D</b> /2	
All		Ν			BAAQMD	P/C	Purge Gas
					Regulation		Flow Rate
					12-11-504 &		
4.11		27			12-11-505	D/C	1.0
All		Ν			BAAQMD	P/C	1 frame per
					Regulation 12-		minute
					11-507		image video
							recording

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#### Table VII - L Applicable Limits and Compliance Monitoring Requirements

#### **S-296 – C-1 FLARE**

**S-398 – MP-30 FLARE** 

#### [Flares which are visually inspected upon release, with no remote viewing system]

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
All		Ν			BAAQMD	P/C	1 frame per
					Regulation 12-		minute
					11-507		image video
							recording
throughpu	BAAQMD	Y	12/1/04	1.69 E 6 lb/hr of vent gas at	BAAQMD	P/E	records
t	Condition			each flare	Condition		
	18255, Part				18255, Part 2		
	1						

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S-300 – U-200 DELAYED COKER

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		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			
throughpu	BAAQMD	Y		81,000 bbl/day	BAAQMD	P/D	records
t	Condition				Condition		
	21092, Part				21092, Part 2		
	1						

Table VII – N Applicable Limits and Compliance Monitoring Requirements S-304 – U-229 MID-BARREL UNIONFINING UNIT (U-229 LIGHT NAPHTHA HYDROTREATER WHEN MODIFIED IN ACCORDANCE WITH A/C 5814) S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER S-306 – U-231 PLATFORMING UNIT S-307 – U-240 UNICRACKING UNIT S-308 – U-244 REFORMING UNIT S-308 – U-248 UNISAR UNIT S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT S-319 – U-215 GASOLINE FRACTIONATING UNIT S-322 – U-40 RAW MATERIALS RECEIVING S-435 – REFORMATE SPLITTER S-436 – DEISOPENTANIZER S-437 – HYDROGEN PLANT

Type of	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		emission streams with 15	BAAQMD	P/D	visual
(S-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	when	12,198 bbl/day (monthly	BAAQMD	P/D	records
(S-304	Condition		modified	average)	Condition		
only)	21095,		in		21095, Part 2		
	Part 1		accordan				
			ce with				
			A/C 5814				

S-460 – U-250 ULSD HYDROTREATER

Table VII – N Applicable Limits and Compliance Monitoring Requirements S-304 – U-229 MID-BARREL UNIONFINING UNIT (U-229 LIGHT NAPHTHA HYDROTREATER WHEN MODIFIED IN ACCORDANCE WITH A/C 5814) S-305 – U-230 PREFRACTIONATOR / NAPHTHA HYDROTREATER S-306 – U-231 PLATFORMING UNIT S-307 – U-240 UNICRACKING UNIT S-308 – U-244 REFORMING UNIT S-308 – U-248 UNISAR UNIT S-318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT S-319 – U-215 GASOLINE FRACTIONATING UNIT S-322 – U-40 RAW MATERIALS RECEIVING S-435 – REFORMATE SPLITTER S-436 – DEISOPENTANIZER S-437 – HYDROGEN PLANT

S-460 – U-250 ULSD Hydrotreater									
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type		
throughput (S-460 only)	BAAQMD Condition 21094, Part 1	Y	startup	35,000 bbl/day (monthly average)	BAAQMD Condition 21094, Part 2	P/D	records		
throughput	BAAQMD Condition 20989, Part A	Y		S-304: 3.47 E 6 bbl/yr (only until modified in accordance with A/C 5814) S-305: 9.23 E 6 bbl/yr S-306: 5.66 E 6 bbl/yr S-307: 1.39 E 7 bbl/yr S-435: 6.6 E 6 bbl/yr S-436: 4.7 E 6 bbl/yr S-437: 9.1 E 9 ft3/yr	BAAQMD Condition 20989, Part A	P/M	records		
throughput	BAAQMD Condition 20989, Part A	N		S-308: 5.11 E 6 bbl/yr S-309: 6.6 E 8 bbl/yr S-318: 3.3 E 7 bbl/yr S-319: 3.51 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records		

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S-460 – U-250 ULSD Hydrotreater

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S-350 – 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			(only until modified in	383, Part 1b		
				accordance with A/C 5814)			
throughpu	BAAQMD	Y		33,000 bbl/day, 30,000	BAAQMD	P/M	records
t	Condition			bbl/day annual average	Condition		
	383, Part 2			(only until modified in	383, Part 3a		
				accordance with A/C 5814)			

## Table VII – PApplicable Limits and Compliance Monitoring RequirementsS-432 – 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						

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# Table VII – Q.1Applicable Limits and Compliance Monitoring RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - 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
NOx	BAAQMD	Y		9 ppmv (note 1)	BAAQMD 9-9-	С	CEM
	9-9-301.3			@15% O <sub>2</sub> (dry)	501, Condition		
					12122, Part 9b		
NOx	NSPS	Y		110 ppmv	BAAQMD 9-9-	С	CEM
	40 CFR 60			@15% O <sub>2</sub> (dry)	501, Condition		
	Subpart				12122, Part 9b		
	GG, 60.332						
	(a)(2)						
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			
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)			
СО	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.1Applicable Limits and Compliance Monitoring RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 12122, Part	Y		8.3 lb/hr, 30.5 ton/yr	BAAQMD Condition 12122, Part 14	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	Ν	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous-fueled sources	Ν	None
throughpu t	BAAQMD Condition 18629, Part IX.D.2	Y		466 MM BTU/hr at each turbine/duct burner set	BAAQMD Condition 18629, Part IX.D.4	P/M	records
throughpu t	BAAQMD Condition 18629, Part IX.D.3	Y		1048 MM BTU/hr total	BAAQMD Condition 18629, Part IX.D.4	P/M	records
SO2	40 CFR 60 Subpart GG, 60.333(b)	Y		0.8 % sulfur in fuel by weight	Condition 12122, Part 12	P/3 times per day	TRS analysis

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## Table VII – Q.1Applicable Limits and Compliance Monitoring RequirementsS-352 - COMBUSTION TURBINES-353 - COMBUSTION TURBINES-354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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			
H2S	40 CFR 60,	Y		fuel gas H2S	40 CFR 60,	С	H2S analyzer
	Subpart J,			concentration limited	Subpart J		
	60.104(a)			to 230 mg/dscm (0.10	60.105(a)(4)		
	(1)			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.2Applicable Limits and Compliance Monitoring RequirementsS-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

ſ				Future		Monitoring	Monitoring	
	Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
	Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре

# Table VII – Q.2Applicable Limits and Compliance Monitoring RequirementsS-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future	EMERIAL DUCT D	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			
NOx	40 CFR 60,	Y		0.20 lb/MM BTU for	40 CFR 60,	Ν	None
	Subpart			natural gas-firing only	Subpart Db,		
	Db,			conditions	60.48b(h) -		
	60.44b(a)(4				Exempt from		
	)(i)				NOx CEM		
					during natural		
					gas-firing only		
					conditions		
NOx	40 CFR 60,	Y		25 ppmv @ 15% O2	40 CFR 60,	С	CEM
	Subpart			(3-hr average) (based	Subpart Db,		
	Db,			on PSD Permit	60.48b(b)(l)		
	60.44b(f)			Condition 18629, Part	and		
				IX.E)	BAAQMD		
					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)			
СО	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	С	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						

# Table VII – Q.2Applicable Limits and Compliance Monitoring RequirementsS-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future	EMENTAL DUCT D	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
СО	BAAQMD	Y		200 ton/yr	BAAQMD	C	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						
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		
ED	DAAOMD	V		0.15 ansin/deef	sources	N	Nana
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous-fueled	Ν	None
	0-310				-		
41	DAAOMD	Y		2 42 E 12 DTU/	sources	D/D	
throughpu	BAAQMD	Ŷ		2.42 E 12 BTU/yr at	BAAQMD	P/D	records
t	Condition			8-355, 8-356, 8-357	Condition		
	12122, Part 6			(combined)	12122, Part 15		
throughpu	BAAQMD	Y		466 MM BTU/hr at	BAAQMD	P/M	records
t	Condition	1		each turbine/duct	Condition	F/1V1	records
ι	18629, Part			burner set	18629, Part		
	IX.D.2			ounier set	IX.D.4		
throughpu	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
tnrougnpu t	Condition	ĭ		total	Condition	F/IVI	records
ι				iotai			
	18629, Part				18629, Part		
	IX.D.3				IX.D.4		

# Table VII – Q.2Applicable Limits and Compliance Monitoring RequirementsS-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
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			
H2S	40 CFR 60,	Y		fuel gas H2S	40 CFR 60,	С	H2S analyzer
	Subpart J,			concentration limited	Subpart J		
	60.104(a)			to 230 mg/dscm (0.10	60.105(a)(4)		
	(1)			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 - R Applicable Limits and Compliance Monitoring Requirements S376 - TOOL ROOM COLD CLEANER S377 - MACHINE SHOP COLD CLEANER

<b>S378</b> – A	<b>AUTO SHOP</b>	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 S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

				TAKINE LUADING			
			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		POC Emission $\leq 5.7$	BAAQMD	С	A-420
	8-44-301.1			grams per cubic meter	Condition		temperature
				(2 lb/1000 barrel)	4336, Part 1		
				loaded, or			
POC	BAAQMD	Y		Controlled $\geq$ 95%	BAAQMD	С	A-420
	8-44.301.2			weight	Condition		temperature
					4336, Part 1		
POC	BAAQMD	Y		Leak free and gas tight	Equipment	P/Q	inspection with
	8-44-303				leak		portable VOC
					inspections as		monitor
					specified in		
					BAAQMD		
					Regulation 8,		
					Rule 18		
POC	BAAQMD	Y		1300 degrees F	BAAQMD	С	A-420
	Condition			minimum temperature	Condition		temperature
	4336, Part 1			during startup, 1400	4336, Part 2b		
				degrees F minimum			
				temperature after			
				startup			
POC	BAAQMD	Y		maximum loading	BAAQMD	С	loading
	Condition			pressure relative to	Condition		pressure
	4336, Part 5			lowest relief valve	4336, Part 2a		
				setting (80%)			
POC	BAAQMD	Y		25,000 bbl/day of	BAAQMD	P/D	loading records
	Condition			gasoline, naphtha and	Condition		
	4336, Part 6			C5/C6 compounds	4336, Part 7		

## Table VII - S Applicable Limits and Compliance Monitoring Requirements S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

			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 60	Y		fuel gas H2S	40 CFR 60	Ν	None
	Subpart J			concentration limited	Subpart J		
	60.104(a)			to 230 mg/dscm (0.10	60.105(a)(4)		
	(1)			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			
throughpu	BAAQMD	Y		2.8 E 6 bbl/yr	BAAQMD	P/M	records
t	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 Table VII – T

 Applicable Limits and Compliance Monitoring Requirements

 S-450 – 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 Requirements\$1001 - SULFUR PLANT UNIT 234\$1002 - SULFUR PLANT UNIT 236\$1003 - SULFUR PLANT UNIT 238\$-301 - MOLTEN SULFUR PIT 234\$-302 - MOLTEN SULFUR PIT 236\$-303 - 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
(H2S,	BAAQMD	N		95% of H2S in	BAAQMD	P/A	Source Test
ammonia)	9-1-313.2			refinery fuel gas is	Condition		
	and SIP	Y		removed and	19278 Part 1		
	9-1-313.2			recovered on a			
				refinery-wide basis			
				AND 95% of H2S in			
				process water streams			
				is removed and			
				recovered on a			
				refinery-wide basis			
				AND 95% of			
				ammonia in process			
				water streams is			
				removed; refineries			
				which remove the			
				equivalent of 16.5			
				ton/day or more of			
				elemental sulfur shall			
				install a sulfur			
				recovery plant or			
				sulfuric acid plant			
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
ГГ	6-310	I		0.15 grani/usci	gaseous-fueled	1N	INOILE
	0-310				-		
	I		l		sources		

Table VII – UApplicable Limits and Compliance Monitoring Requirements\$1001 - SULFUR PLANT UNIT 234\$1002 - SULFUR PLANT UNIT 236\$1003 - SULFUR PLANT UNIT 238\$-301 - MOLTEN SULFUR PIT 234\$-302 - MOLTEN SULFUR PIT 236\$-303 - 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 2		
				expressed as 100%			
				H2SO4			
throughput	BAAQMD	Ν		89,425 long ton/yr for	BAAQMD	P/M	records
	Condition			S-1001, 1002, 1003,	Condition		
	20989, Part			301, 302, 303 (98,915	20989, Part A		
	А			long ton after S-1002,			
				1003 modified in			
				accordance with A/C			
				5814)			

# Table VII – V Applicable Limits and Compliance Monitoring Requirements S-370 – ISOMERIZATION UNIT 228

			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			

# Table VII – V Applicable Limits and Compliance Monitoring Requirements S-370 – ISOMERIZATION UNIT 228

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	TE Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y	2000	daily feed rate limit (11,040		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						

 Table VII – W

 Applicable Limits and Compliance Monitoring Requirements

 S-380 – ACTIVATED CARBON SILO (P-204)

			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 No. less than	BAAQMD	P/Q	Pressure
	Regulation			1 for more than 3	Condition		Drop
	6-301			minutes/hr	18251, Part 2b		
FP	BAAQMD	Y		Prohibition of nuisance	BAAQMD	P/Q	Pressure
	6-305				Condition		Drop
					18251, Part 2b		
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/Q	Pressure
	Regulation			0.15 grains per dscf of gas	Condition		Drop
	6-310			volume	18251, Part 2b		
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/Q	Pressure
	Regulation			rate specified in rule	Condition		Drop
	6-311				18251, Part 2b		
throughput	BAAQMD	Y		2,628 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

	S-389 – DIATOMACEOUS EARTH SILO (F-214)												
Type of Limit	Citation	FE	Future Effective		Monitoring	Monitoring	Maniforing						
Limit					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						
	Regulation			1 for more than 3	Condition	(baghouse	Drop						
	6-301			minutes/hr	18251, Part 2c	operation)							
FP	BAAQMD	Y		Prohibition of nuisance	BAAQMD	P/E	Pressure						
	6-305				Condition	(baghouse	Drop						
					18251, Part 2c	operation)							
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure						
	Regulation			0.15 grains per dscf of gas	Condition	(baghouse	Drop						
	6-310			volume	18251, Part 2c	operation)							
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure						
	Regulation			rate specified in rule	Condition	(baghouse	Drop						
	6-311				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 - X Applicable Limits and Compliance Monitoring Requirements S-389 – DIATOMACEOUS EARTH SU O (F-214)

# Table VII – YApplicable Limits and Compliance Monitoring RequirementsS-462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEMS-463 – 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	S-462: 1.533 E 9 ft3/yr	BAAQMD	P/M	records
	Condition			S-463: .365,000 bbl/yr	Condition		
	20989,				20989, Part A		
	Part A						

	COMPONENTS												
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type						
POC	BAAQMD	Y		General equipment leak <	BAAQMD	P/Q	Inspection						
100	Reg. 8-18-	-		100 ppm	Reg. 8-18-	- / ×	mspection						
	301			11	401.2								
POC	BAAQMD	Y		Valve leak < 100 ppm	BAAQMD	P/Q	Inspection						
	Reg. 8-18-				Reg. 8-18-		1						
	302				401.2								
POC	BAAQMD	Y		Pump and compressor leak	BAAQMD	P/Q	Inspection						
	Reg. 8-18-			$\leq 500 \text{ ppm}$	Reg. 8-18-		1						
	303				401.2								
POC	BAAQMD	Y		Connection leak $\leq 100$ ppm	BAAQMD	P/Q	Inspection						
	Reg. 8-18-				Reg. 8-18-		1						
	304				401.2e								
POC	BAAQMD	Y		Pressure relief valve leak $\leq$	BAAQMD	P/Q	Inspection						
	Reg. 8-18-			500 ppm	Reg. 8-18-								
	305				401.2								
POC	BAAQMD	Y		Valve, pressure relief,	BAAQMD	P/quarterly	report						
	Reg. 8-18-			pump or compressor must	Reg. 8-18-								
	306.1			be repaired within 5 years	502.4								
				or at the next scheduled									
				turnaround									
POC	BAAQMD	Y		Awaiting repair	BAAQMD	P/within 24	Inspection						
	Reg. 8-18-			Valves $\leq 0.5\%$	Reg. 8-18-	hours							
	306.2			Pressure Relief $\leq 1\%$	401.5								
				Pump and Connector $\leq 1\%$									
POC	BAAQMD	Y		Mass emissions & non-	BAAQMD	P/D	Inspection						
	Reg. 8-18-			repairable equipment	Reg. 8-18-								
	306.3.2			allowed	401.3								
				Valve $\leq 0.1$ lb/day &									
				<u>≤</u> 1.0%									
				Pressure Relief $\leq 0.2$ lb/day									
				& <u>&lt;</u> 5%									
				Pump and Connector $\leq 0.2$									
				lb/day & ≤ 5%									

# Table VII – AB Applicable Limits and Compliance Monitoring Requirements COMPONENTS

	COMPONENTS											
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 Reg. 8-18- 306.3.3	Y		Total valve, pressure relief, pump or compressor leaks $\geq$ 15 lb/day, they must be	BAAQMD 8-18-502.4	P/Q	sampling or equivalent					
				repaired within 7 days								
POC	BAAQMD Reg.8-28- 303	Y		Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency or Meet Prevention Measures Procedures	BAAQMD 8-28-405	P/turn- around	None					
РОС	BAAQMD Reg.8-28- 304	Y		PHA within 90 days and meet Prevention Measures Procedures. After 2 <sup>nd</sup> release Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency.	BAAQMD 8-28-405	P/release per 5 calendar year	None					
l				40 CFR 60; Subpart QQQ	1							
POC	40 CFR 60.692-5 (e)(1)	Y		Closed-vent systems <500 ppm above background	40 CFR 60.692-5 (e)(1)	P/SA	Measure for leaks					
POC	40 CFR 60.692-5 (a)	Y		Closed-vent systems using combustion devices shall have 0.75 seconds residence and minimum temp of 816C	40 CFR 60.692-5 (e)(5)	P/E	Repair after emissions are detected within 30 days					
POC	40 CFR 60.692-5 (b)	Y		Vapor recovery greater than or equal to 95%	None	Ν	None					
				40 CFR 60; Subpart VV								

#### Table VII – AB Applicable Limits and Compliance Monitoring Requirements $\mathbf{a}$

	COMPONENTS												
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type						
POC	40 CFR 60.482-2 (b)(1)	Y		Pump leak ≥ 10,000 ppm	40 CFR 60.482-2 (a)(1)	P/M	Measure for leaks						
POC	40 CFR 60.482-2 (b)(2)	Y		Pump leak Indicated by dripping liquid	40 CFR 60.482-2 (a)(2)	P/W	Visual Inspection						
POC	40 CFR 60.482-2(e)	Y		Designated "No detectable emissions" ≤ 500 ppm	40 CFR 60.482- 2(e)(3)	P/A	Measure for leaks						
POC	40 CFR 60.482-8 (b)	Y		Pump leak ≥ 10,000 ppm	40 CFR 60.482-8 (a)	P/5 days	Visual, audible, olfactory Inspection; Measure for leaks						
POC	40 CFR 60.482-4(b)	Y		Pressure relief valve (gas/vapor) leak ≥ 500 ppm within 5 days after a pressure release event	40 CFR 60.482-4(b)	P/E	Measure for leaks within 5 days after release						
POC	40 CFR 60.482-7(b)	Y		Valve leak ≥ 10,000 ppm	40 CFR 60.482-7(a)	P/M	Measure for leaks						
POC	40 CFR 60.482-7(b)	Y		Valve leak ≥ 10,000 ppm; 2 successive months w/o leaking	40 CFR 60.482-7(c)	P/Q	Measure for leaks						
POC	40 CFR 60.482-7(f)	Y		Designated "No detectable emissions" ≤ 500 ppm	40 CFR 60.482-7 (f)(3)	P/A	Measure for leaks						
POC	40 CFR 60.482-8(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	40 CFR 60.482-8(a)	P/E	Visible, Audible, or olfactory Inspection						

# 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		Pressure Relief devices	40 CFR	P/E	Measure for
	60.482-8(b)			(liquid), Flanges,	60.482-8(a)		leaks
				Connectors leak $\geq$ 10,000			
				ppm			
POC	40 CFR	Y		Closed-vent systems and	None	Ν	None
	60.482-10			control devices: Vapor			
	(b)			recovery systems $\ge 95\%$			
POC	40 CFR	Y		Combustion devices $\geq 95\%$	None	Ν	None
	60.482-10			destruction efficiency or $\geq$			
	(c)			0.75 seconds and $\geq$ 816°C			
POC	40 CFR	Y		Closed-vent systems leak $\geq$	40 CFR	P/A	Measure for
	60.482-10			500 ppm and visible leak	60.482-10 (f)		leaks;
	(g)			indication			Visual
							Inspection
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.			
	Ш		1	40 CFR 61; Subpart FF	u		<u> </u>
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 – B1Applicable Limits and Compliance Monitoring RequirementsNSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKSWITH VAPOR RECOVERY TO FUEL GASS-433 (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
				pounds - STORAGE OF OR			Type
	Exempt per		0	-			
POC	8-5-117 &	Y	_	Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition 20773, Part 1			when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	Condition 20773, Part 2		determination upon material change
BAAQMD 8-8	BAAQMD 8	-8 – O	rganic Con	npounds – Wastewater (Oil V	Vater Separato	rs)	
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	Ν	Portable hydrocarbon detector
VOC	BAAQMD 8-8-304	Y		Combined collection/destruction efficiency of 95% by weight.	BAAQMD 8-8-602	Ν	Source test or EPA Method 25 or 25A
NONE		-		SHAPS for Petroleum Refine Emission point routed to fue			
NSPS	40 CFR 60 S	ubpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ems
QQQ		-	i	i			t
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	<u>periodic</u> initially and semi- annually	Visual inspection
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	<u>periodic</u> initially and semi- annually	Report
NSPS		-		S for VOL Storage Vessels	<u>  </u>	<u> </u>	<u> </u>
Kb		1	UR RECOI	RDKEEPING ONLY	40.055		D I
VOC	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b (b)	periodic initially and upon change of service	Record

#### Table VII – B1 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S-433 (F224 - MOSC)

	1				/					
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре			
BAAQMD	PERMIT CO	PERMIT CONDITIONS								
Permit										
throughput	BAAQMD	Y		138,700 bbl/yr	BAAQMD	P/W	records			
	Condition				Condition					
	7353, Part 4				7353, Part 5					

#### Table VII – B2 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING S-118 (TANK 163)

Type of	Emission		Future	, , ,	Monitoring	Monitoring					
• -		ББ			0	U	Maria				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	8-5-11	7. Low vap	or pressure							
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure				
	Condition			when true vapor pressure is less	Condition		determination				
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material				
	20770,1 4101						change				
NESHAPS	40 CFR 63 S	ubpar	t CC – NES	SHAP for Petroleum Refiner	ies						
CC	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					
BAAQMD	PERMIT CO	ONDIT	TIONS								
Permit											

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#### Table VII – B2 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING S-118 (TANK 163)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	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 – B3

#### Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS S-117 (TANK 162), S-193 (TANK 305), S-194 (TANK 306)

		(-		$, 0^{-1}$							
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	8-5-11	7. Low vap	or pressure							
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure				
	Condition			when true vapor pressure is less	Condition		determination				
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material				
	,						change				
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries										
	Exempt per	63.641	storage ve	ssel definition. Size less than	or equal to 10,	000 gallons.					
BAAQMD	PERMIT C	ONDI	TIONS								
Permit											
throughput	BAAQMD	N		S-117: 8.76 E 5 bbl/yr	BAAQMD	P/M	Records				
	Condition			S-193: 100 bbl/yr	Condition						
	20989, Part			S-194: 100 bbl/yr	20989, Part A						
	А										

# Table VII – B4Applicable Limits and Compliance Monitoring RequirementsLOW VAPOR PRESSURE PERMITTED TANKSVENTED TO FUEL GASS\_238 (TANK 211)S\_239 (TANK 212)

	S-238 (IANK 211), S-239 (IANK 212)											
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 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
	Exempt per	8-5-11	7. Low vap	or pressure								
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure					
	Condition			when true vapor pressure is less	Condition		determination					
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material					
							change					
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries							
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.							
BAAQMD	PERMIT CO	ONDIT	TIONS									
Permit												
throughput	BAAQMD	Ν		S-238: 1.0 E 6 bbl/yr	BAAQMD	P/M	Records					
	Condition			S-239: 8.76 E 6 bbl/yr	Condition							
	20989, Part				20989, Part A							
	А											

#### Table VII – B5

#### Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS S-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per 8	8-5-11	7. Low vap	or pressure							
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change				
BAAQMD 8-8	BAAQMD 8-8 – Organic Compounds – Wastewater (Oil Water Separators)										
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	Ν	Portable hydrocarbon detector				

NS	PS KB LOV	V VA	POR PRE	nd Compliance Moni essure Permitted W S-196 (Tank 502), S-3	ASTEWATER	<b>SLUDGE T</b> A	ANKS
Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-304	Y	Dait	Combined collection/destruction efficiency of 95% by weight.	BAAQMD 8-8-602	N	Source test of EPA Method 25 or 25A
NESHAPS CC and NSPS Kb		ıbpar	t Kb - NSP	SHAPS for Petroleum Refine S for VOL Storage Vessels at		fineries	
Vapor pressure	40 CFR 63.640(n)(1) 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 63.640(n)(8) 60.116b(b)	P/E	Record
Vapor pressure		Y		TVP exceedances (> 5.2 kPa).	40 CFR 63.640(n)(8) 60.116b(d)	periodic within 30 days of exceedance	Notification
NSPS QQQ	40 CFR 60 Si	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692- 3(a)(4)	periodic initially and semi-annually	Visual inspection
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.697(c)	periodic when problem is identified	Records
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	<u>periodic</u> initially and semi-annually	Report
Permit	PERMIT CO						
	860 applies to		only	a	<b>D</b> + + 01 (D)		
VOC	BAAQMD Condition	Y		fugitive emissions (300 ppm as methane above	BAAQMD Condition	periodic as required	VOC monitor
	1860, Part 1			background)	1860, Part 3	by	
						BAAQMD	
						Regulation 8,	
		1				Rule 18	

#### Table VII – B5 nd Compliance Moni

# Table VII – B5Applicable Limits and Compliance Monitoring RequirementsNSPS KB Low VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKSS-195 (TANK 501), S-196 (TANK 502), S-388 (TANK 276/F205)

		<u> </u>	,,.				
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		S-195: 5.0 E 4 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	А						
throughput	BAAQMD	Y		S-196: 5.0 E 4 bbl/yr	BAAQMD	P/M	Records
	Condition			S-388: 153,300 ton/yr	Condition		
	20989, Part				20989, Part A		
	А						

# Table VII – B6Applicable Limits and Compliance Monitoring RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS-121 (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	Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
8-5	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	ING-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				
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection				
				criteria		seal is					
						replaced					

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# Table VII – B6Applicable Limits and Compliance Monitoring RequirementsMACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANKS-121 (TANK 166)

Type of	Emission		Future	5-121 (1AKK 100)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
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
NESHAPS	40 CFR 63 S	bubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
<u>CC</u>	MONITOR	ING FO	OR RECOR	RDKEEPING ONLY			
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
-	PERMIT CO	ONDII	TIONS				
Permit				[			
throughput	BAAQMD Condition 20989, Part A	N		3.52 E 4 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

#### Table VII – B7 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

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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	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUID	S		
8-5	LIMITS AN	D MO	NITORINO	FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each tank seal replacment	records
VOC		Y		Determination of	BAAQMD	P/E	look-up table o
				applicability	8-5-604		sample analysis
	40 CFR 60 S	Subpar	t Kb – NSP	HAPS for Petroleum Refiner S for VOL Storage Vessels G FOR EXTERNAL FLOAT		ANKS	
VOC	40 CFR 63.640 (n)(1), 60.112b (a)(2)(ii)	Y		Deck fitting closure standards; includes gasketed covers	40 CFR 63.640(n)(8), 60.113b (b)(6)	periodic initially & each time emptied & degassed	
VOC	40 CFR 63.640 (n)(1), 60.113b (b)(4)(i)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(8), 60.113b (b)(1)-(b)(3)	<u>periodic</u> initially & at 5 yr intervals	measurement and visual inspection

# Table VII – B7Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK

695)	
0,0)	

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
VOC	40 CFR 63.640 (n)(1), 60.113b (b)(4)(ii)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(8), 60.113b (b)(1)-(b)(3)	<u>periodic</u> initially & annually	measurement and visual inspection
VOC	40 CFR 63.640 (n)(1), 60.116b (c)	Y		Record of liquid stored and rue vapor pressure	40 CFR 63.640(n)(8), 60.116b (c) & (e)	<u>periodic</u> upon change of service	Records
VOC		Y		Seal inspection records for report in 40 CFR 60.115b(b)(2)	40 CFR 63.640(n)(8), 60.115b(b)(3)	<u>periodic</u> For each gap measurement	Records
VOC		Y		Inspection report for seal gap measurements	40 CFR 63.640(n)(8), 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report
VOC		Y		Inspection report for non- compliant seals	40 CFR 63.640(n)(8), 60.115b(b)(4)	periodic Within 30 days of seal inspection	Report
BAAQMD Permit	PERMIT CO	ONDIT	TIONS			Å	
The followin	g applies to	S-439 (	only				
throughput	BAAQMD Condition 12124, Part 1	Y		3,650,000 bbl/yr	BAAQMD Condition 12124, Part 3	P/M	records
The followin	g applies to	S-440 d	only		··		
throughput	BAAQMD Condition 12125, Part 1	Y		3,600,000 bbl/yr	BAAQMD Condition 12125, Part 3	P/M	records
The followin	g applies to	S-442 o	only				

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# Table VII – B7Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKSS-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (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
throughput	BAAQMD	Y		2,740,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12127, Part				12127, Part 3		
	1						
The following	ng applies to	S-444 (	only				
throughput	BAAQMD	Y		4,380,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12129, Part				12129, Part 3		
	1						
The following	ng applies to	S-451 (	only				
throughput	BAAQMD	Y		11,000,000 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	19476, Part				19476, Part 3		
	1						

#### Table VII – B8

#### Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре				
BAAQMD	BAAQMD Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
8-5	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				

# Table VII – B8Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

	5-101 (IANK 104), 5-102 (IANK 105), 5-100 (IANK 150)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре					
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						
VOC	DAAOMD	V		Comparison of < 10,000		replaced	D					
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after	BAAQMD 8-5-503	<u>periodic</u> each time	Portable hydrocarbon					
	8-3-328.1.2			degassing	8-5-505	emptied &	detector					
				uegassing		degassed	detector					
VOC		Y		Certification reports on tank	BAAQMD	periodic	Certification					
100				inspections and source tests	8-5-404	after each	report					
					8-5-405	tank	report					
						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					
	ng apply to S	-106 or	nly		n	I						
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	DAAOM	V		least 0.5 psig	DAAOME	D/CA	M. (1. 1.0.1					
VOC	BAAQMD	Y		Pressure vacuum valve must $c_{500}$ nmm (as	BAAQMD	P/SA	Method 21					
	8-5-303.2			be gas-tight: < 500 ppm (as methane) above background	8-5-403 8-5-503		portable hydrocarbon					
				memanej above background	8-3-303 8-5-605		detector					
	II				0-0-000		uciector					

				Table VII – B8 nd Compliance Monit	-		
NSPS K				FLOATING ROOF STOL		-	ON TANKS
TT C				4), S-102 (TANK 105), S			
Type of Limit	Emission Limit	FE	Future Effective		Monitoring	Monitoring Frequency	Manitanina
Liiiit	Citation	ге Y/N	Date	Emission Limit	Requirement Citation	(P/C/N)	Monitoring
The following	ng apply to S			Emission Limit	Citation	$(\mathbf{\Gamma}/\mathbf{C}/\mathbf{N})$	Туре
			•	pounds – Wastewater (Oil W	ater Senarator	z)	
8-8	DAAQND 0	-0 - 0		ipounus – wastewater (On W	ater Separators	5)	
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 years	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 years	s inspection
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarb
					8-8-603		on
							detector
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refiner	ies		
				EMENTS FOR GROUP 2 W	ASTEWATER	SOURCES	
NSPS Kb		-		S for VOL Storage Vessels			
and NSPS		-		OC Emissions from Petroleur	-	-	ns
QQQ VOC	40 CFR	<u>р мо</u> У	NITORING	FOR EXTERNAL FLOAT	40 CFR		visual
VOC	40 CFK 60.692-3(d)	I		standards; includes gasketed	40 CFK 60.692-3(d)	periodic initially &	inspection
	60.112b			covers	60.113b	each time	- <b>F</b>
	(a)(2)(ii)				(b)(6)	emptied &	
NOC	40.CED	37		D: : 1 / 1 1	40.CED	degassed	
VOC	40 CFR 60.692-3(d)	Y		Primary rim-seal standards; includes gap criteria	40 CFR 60.692-3(d)	periodic initially & at	measurement and visual
	60.113b			menudes gap enterna	60.113b	5 yr intervals	inspection
	(b)(4)(i)				(b)(1)-(b)(3)	5	1
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 (b)(4)(ii)			criteria	60.113b (b)(1)-(b)(3)	annually	inspection
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	11000140
	60.116b				60.116b	of service	
	(c)				(c) & (e)		

# Table VII – B8Applicable Limits and Compliance Monitoring RequirementsNSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKSS-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

	5-101 (TANK 104); 5-102 (TANK 105); 5-100 (TANK 150)										
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре				
VOC		Y		Seal inspection records for	40 CFR	periodic	Records				
				report in 40 CFR	60.692-3(d)	For each gap					
				60.115b(b)(2)	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	PERMIT CO	ONDII	TIONS								
Permit											
throughput	BAAQMD	Y		S-101: 3.68 E 9 gal/yr	BAAQMD	P/M	records				
	Condition			S-102: 3.68 E 9 gall/yr	Condition						
	20989, Part			S-106: 3.68 E 9 gal/yr	20989, Part A						
	А										

#### Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

Type of Limit	Emission	EE	Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре				
BAAQMD	AAQMD Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
8-5	LIMITS AN	LIMITS AND MONITORING FOR INTERNAL 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	8-5-402.3		and visual				
				covers			inspection				

#### Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

Type of	Emission		Future	5-440 (IANK 1007)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Linnt	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y	Date	Primary rim-seal standards;	BAAQMD	periodic	Seal
VOC	8-5-321	1		includes gap criteria	8-5-402.1	10 year	inspection
	00021			menades Bap enterna	8-3-402.1	intervals and	moperation
						every time a	
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	periodic	Seal
	8-5-322			standards; includes gap	8-5-402.1	10 year	inspection
				criteria		intervals and	
						every time a seal is	
						replaced	
VOC	BAAQMD	Y		Visual inspection of outer	BAAQMD	P/SA	Visual
voc	8-5-305,	1		most seal	8-5-402.2	17574	inspection
	8-5-321.1,			11050 5000	000.02.2		moperation
	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
				~		degassed	~
VOC		Y		Certification reports on tank	BAAQMD 8-5-404	periodic	Certification
				inspections and source tests	8-5-404 8-5-405	after each tank	report
					0.5.105	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
L	I						analysis

#### Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

				<b>5-440</b> (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				
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	HAPS for Petroleum Refine	ries						
CC and	40 CFR 60 S	Subpar	t Kb – NSP	S for VOL Storage Vessels							
NSPS Kb	LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF TANKS										
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				
	63.640			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					
						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 mariadia	visual				
voc	40 CFR 63.640	I		from viewports of fixed roof	40 CFK 63.640(n)(8),	periodic initially &	inspection				
	(n)(1),			from viewports of fixed foor	60.113b	annually	inspection				
	60.113b				(a)(2) & (3)	annuarry					
	(a)(2)				$(a)(2) \approx (3)$						
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),			r	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 – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (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 with secondary seals	40 CFR 63.640(n)(8), 60.115b(a)(4)	periodic within 30 days of tank inspection	report
BAAQMD Permit	PERMIT CO	ONDIT	TIONS		U	~ <b>r</b> · · · ·	
throughput	BAAQMD Condition 12133, Part 1	Y		2,190,000 bbl/yr	BAAQMD Condition 12133, Part 3	P/M	records

#### Table VII – B10

#### Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

	5-120 (Talk 172), 5-237 (Talk 1004), 5-230 (Talk 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	ID Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
8-5	LIMITS AN	D MO	NITORIN	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS						
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	8-5-402.3		and visual					
				covers			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						

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#### Table VII – B10 **Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS** S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

Type of	Emission	- (	Future	, 5-257 (1 alik 100 <b>4</b> ), k	Monitoring	Monitoring	
					0		
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 followi	ng apply only	to S-1	26 and S-25	58			
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
The followi	ng apply only	to S-1	26 and S-25	8			

#### Table VII – B10 Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

	S-126 (Tank 172), S-257 (Tank 1004), S-258 (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				
NESHAPS	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries						
CC	40 CFR 63 S	ubpar	t G – SOCN	MI HON							
	LIMITS AND MONITORING FOR INTERNAL FLOATING ROOF 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			inspection				
	63.120(a)(4)			visible from the tank top	63.120(a)(3)						
BAAQMD	PERMIT CO	)NDI I	TIONS								
Permit				· · · · · · · · · · · · · · · · · · ·							
throughput	BAAQMD	Ν		S-126: 1.05 E 7 bbl/yr	BAAQMD	P/M	records				
	Condition			S-257: 7.01 E 7 bbl/yr	Condition , Part						
	20989, Part			S-258: 7.01 E 7 bbl/yr	А						
	А										

# Table VII – B11Applicable Limits and Compliance Monitoring RequirementsNSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS-360 (TANK 223), S-445 (TANK 271)S-449 (TANK 285)

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Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	-	-		AGE OF ORGANIC LIQUII			
8-5			NITORINO	G FOR CVS & CONTROL D	h	i	
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE		-		SHAPS for Petroleum Refine ission point routed to fuel gas			
NSPS Kb		-		'S for VOL Storage Vessels G FOR CVS & CONTROL D	EVICES (NOT	T A FLARE)	
VOC	40 CFR 60.112b (a)(3)(i)	Y		Closed vent system leak tightness standards (< 500 ppmw)	40 CFR 60.112b (a)(3)(i)	as required in 40 CFR 60.485(b) [Subpart VV]	Method 21
VOC	40 CFR 60.112b (a)(3)(ii)	Y		Control device standards; includes 95% efficiency requirement	40 CFR 60.113b (c)(2)	as approved	specified parameter
BAAQMD Permit	PERMIT CO					•	
	ng applies to S	S-445 (	only	1			
VOC	BAAQMD Condition 12130, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None

#### Table VII – B11 **Applicable Limits and Compliance Monitoring Requirements** NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271)S-449 (TANK 285)

	5-500 (TANK 225); 5-445 (TANK 271);5-445 (TANK 205)											
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре					
The following applies to S-449 only												
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None					
	Condition			working emissions to fuel								
	11219, Part 1			gas system								
The follow	ing applies to S	5-360 (	only				-					
throughput	BAAQMD	Y		2.78 E 6 bbl/yr	BAAQMD	P/M	records					
	Condition				Condition							
	20989, Part A				20989, Part A							

#### Table VII – B12

#### **Applicable Limits and Compliance Monitoring Requirements** NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S

S-446 (TANK 310), S-447 (T	ank 311)
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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	Organic Con	npoun	ds - STORA	AGE OF ORGANIC LIQUII	DS		
8-5	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			
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

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#### Table VII – B12 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S-446 (TANK 310), S-447 (TANK 311)

				(III), D ++/ (III)	1		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
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
				applicability	8-5-604		table or
							sample
							analysis
NONE	40 CFR 63 S	ubpar	t CC – NES	HAPS for Petroleum Refine	ries		
	Exempt per	63.640	(d)(5). Emi	ssion point routed to fuel ga	s system.		
NSPS Kb	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels			
	LIMITS AN	D MO	NITORING	FOR CVS & CONTROL I	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	40 CFR	
	(a)(3)(i)			ppmw)	(a)(3)(i)	60.485(b)	
						[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	PERMIT CO	ONDIT	TIONS				
Permit							
The following	ng applies onl	y to S-	446				
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None
	Condition			working emissions to fuel			
				0			
	12131,			gas system			
	Part 1						
The following	ng applies onl	y to S-	447		11		
VOC	BAAQMD	Y		Requirement to vent	None	Ν	None
	Condition			working emissions to fuel	T tone	11	1,0110
				-			
	12132, Part			gas system			
	1						

#### Table VII – B13 Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
BAAQMD	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUII	DS		
8-5	LIMITS AN	ID MO	NITORINO	G FOR EXTERNAL FLOAT	TING-ROOF TA	ANKS	
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	<u>periodic</u> initially and	Records
						upon change 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

Table VII – B13 Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

· · · · ·		//~ -	Ì	(1402), 5-250 (140K	Monitoring	Monitoring	
Type of	Emission		Future		0	U	
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
The following	ng apply only	to S-1	07 (Tank 1	50), S-110 (Tank 155), S-115	(Tank 160), S-1	23 (Tank 168)	, S-128 (Tank
174), S-129	(Tank 180), a	and S-1	78 (Tank 2	88)			
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	ng apply only	to S-1	07 (Tank 1	50), S-110 (Tank 155), S-115	(Tank 160), S-1	23 (Tank 168)	, S-128 (Tank
174), S-129	(Tank 180), a	and S-1	78 (Tank 2	88)			
	h			SHAPS for Petroleum Refine	ries		
CC	40 CFR 63 S	-					
		-		G FOR EXTERNAL FLOAT	ING ROOF TA	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	PERMIT C	ONDIT	TIONS				
Permit							
	μ			407 D	•• 1 / 1	D 1	16 2004

Table VII – B13 Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS S-97 (TANK 100), S-100 (TANK 103), S-107 (TANK 150), S-110 (TANK 155), S-111 (TANK 156), S-112 (TANK 157), S-114 (TANK 159), S-115 (TANK 160), S-122 (TANK 167), S-123 (TANK 168), S-124 (TANK 169), S-128 (TANK 174), S-129 (TANK 180), S-150 (TANK 241), S-151 (TANK 242), S-177 (TANK 287), S-178 (TANK 288), S-186 (TANK 298), S-254 (TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

Type of	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		S-97: 1.1 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S-100: 4.38 E 6 bbl/yr	Condition		
	20989, Part			S-107: 8.76 E 6 bbl/yr	20989, Part A		
	А			S-110: 1.40 E 7 bbl/yr			
				S-111: 1.31 E 7 bbl/yr			
				S-112: 1.49 E 7 bbl/yr			
				S-114: 1.31 E 7 bbl/yr			
				S-115: 4.38 E 6 bbl/yr			
				S-122: 4.38 E 6 bbl/yr			
				S-123: 5.1 E 6 bbl/yr			
				S-124: 4.38 E 6 bbl/yr			
				S-128: 5.1 E 6 bbl/yr			
				S-177: 2.63 E 7 bbl/yr			
				S-186: 4.38 E 6 bbl/yr			
				S-254: 7.01 E 7 bbl/yr			
				S-255: 7.01 E 7 bbl/yr			
				S-256: 7.01 E 7 bbl/yr			
				S-259: 7.01 E 7 bbl/yr			
throughput	BAAQMD	Y		S-129: 4.6 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S-150: 4.38 E 7 bbl/yr	Condition		
	20989, Part			S-151: 4.38 E 7 bbl/yr	20989, Part A		
	А			S-178: 3.50 E 7 bbl/yr			

Table VII – B14Applicable Limits and Compliance Monitoring RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S-334 (TANK 107),NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

ND MC           P         Y           P         Y           P         Y           P         Y           P         Y		AGE OF ORGANIC LIQUI G FOR EXTERNAL FLOAT Record of liquids stored and true vapor pressure Floating roof fitting closure standards; includes gasketed covers Primary rim-seal standards; includes gap criteria Secondary rim-seal standards; includes gap criteria		periodic initially and upon change of service P/SA P/SA and every time a seal is replaced P/SA and every time a seal is	Records Measurement and visual inspection Seal inspection
Y           Y		true vapor pressure Floating roof fitting closure standards; includes gasketed covers Primary rim-seal standards; includes gap criteria Secondary rim-seal standards; includes gap criteria	8-5-501.1 BAAQMD 8-5-401.2 BAAQMD 8-5-401.1 BAAQMD	initially and upon change of service P/SA P/SA and every time a seal is replaced P/SA and every time a seal is	Measuremen and visual inspection Seal inspection Seal
Y Y Y Y		standards; includes gasketed covers Primary rim-seal standards; includes gap criteria Secondary rim-seal standards; includes gap criteria	8-5-401.2 BAAQMD 8-5-401.1 BAAQMD	P/SA P/SA and every time a seal is replaced P/SA and every time a seal is	and visual inspection Seal inspection Seal
• Y		includes gap criteria Secondary rim-seal standards; includes gap criteria	8-5-401.1 BAAQMD	every time a seal is replaced P/SA and every time a seal is	Seal inspection Seal
9 Y		standards; includes gap criteria	~	every time a seal is	
-				replaced	
2		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
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
Y		Records of tank seal replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each tank seal replacement	Records
Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
3)	Y Y 3 Subpar 3 Subpar 9 Subpar 9 Subpar	Y Y 3 Subpart CC – NE 3 Subpart G – SOCI 9 Subpart K – NSPS 9 Subpart Ka – NSP	Y       inspections and source tests         Y       Records of tank seal replacement         Y       Determination of applicability         Subpart CC – NESHAPS for Petroleum Refine         Subpart G – SOCMI HON         Subpart K – NSPS for Petroleum Storage Vesso         Subpart Ka – NSPS for Petroleum Storage Vesso	Y       Records of tank seal replacement       BAAQMD 8-5-405         Y       Records of tank seal replacement       BAAQMD 8-5-501.2         Y       Determination of applicability       BAAQMD 8-5-604         Subpart CC – NESHAPS for Petroleum Refineries       Subpart G – SOCMI HON       Subpart K – NSPS for Petroleum Storage Vessels         Subpart Ka – NSPS for Petroleum Storage Vessels       Subpart Ka – NSPS for Petroleum Storage Vessels       Subpart Ka – NSPS for Petroleum Storage Vessels	Y       Records of tank seal replacement       BAAQMD 8-5-405       after each tank inspection and source test         Y       Records of tank seal replacement       BAAQMD 8-5-501.2       periodic after each tank seal replacement         Y       Determination of applicability       BAAQMD 8-5-604       P/E         Subpart CC – NESHAPS for Petroleum Refineries       BAAQMD 8-5-604       P/E         Subpart G – SOCMI HON       Subpart K – NSPS for Petroleum Storage Vessels       Subpart K – NSPS for Petroleum Storage Vessels

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# VII. Applicable Limits and Compliance Monitoring Requirements

# Table VII – B14Applicable Limits and Compliance Monitoring RequirementsNSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKSNSPS K - S-334 (TANK 107),

	NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)										
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре				
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)						
-	PERMIT CO	ONDI	IONS								
Permit				1	n	r					
throughput	BAAQMD	Y		S-341: 4.38 E 7 bbl/yr	BAAQMD	P/M	Records				
	Condition			S-342: 4.38 E 7 bbl/yr	Condition						
	20989, Part			S-343: 4.38 E 7 bbl/yr	20989, Part A						
	А										
throughput	BAAQMD	Ν		S-334: 6.51 E 6 bbl/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989, Part				20989, Part A						
	А										

#### NSPS KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TANK 210)

2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S-334 (Tank 107) is subject to NSPS K and MACT.

3. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S-341 (Tank 208), S-342 (Tank 209), and S-343 (Tank 210) are subject to NSPS Ka and MACT.

#### Table VII – B15 Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

5-157 (Talk 204), 5-140 (Talk 205), 5-102 (Talk 274)								
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	Organic Compounds - STORAGE OF ORGANIC LIQUIDS							
8-5	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES							
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records	
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection	
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector	
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4	
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector	
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis	
<u>NONE</u>	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries							
BAAQMD Permit	Exempt per 63.640(d)(5). Emission point routed to fuel gas system. PERMIT CONDITIONS							
The following	ng applies to S	S-182 (	only	· · · · · · · · · · · · · · · · · · ·				
VOC	BAAQMD Condition 13184, Part	Y		Requirement to vent working emissions to fuel gas system		N		
The followin	ng applies to S	5-139 a	and S-140 o	nly	1	1		

#### Table VII – B15 Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
throughput	BAAQMD	Ν		S-139: 2.74 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S-140: 2.74 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	А						

# Table VII – B16Applicable Limits and Compliance Monitoring RequirementsMACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUID	S	· · ·		
8-5	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS							
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records	
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection	
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector	
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection	
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection	

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## Table VII – B16Applicable Limits and Compliance Monitoring RequirementsMACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

Type of	Emission		Future	<b>5-135 (TANK 195)</b>	Monitoring	Monitoring	
		DD			0	_	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
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
VOC		V		Cartification and a start	BAAQMD	degassed	
VUC		Y		Certification reports on tank inspections and source tests	8-5-404	<u>periodic</u> after each	reports
				inspections and source tests	8-5-405	tank	
					8-3-403	inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
100		1		replacement	8-5-501.2	after each	records
				replacement	0.0.001.2	tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
BAAQMD	BAAQMD 8	8-8 – O	rganic Com	pounds – Wastewater (Oil W	ater Separators	s)	
<u>8-8</u>			-	-	-		
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	Ν	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					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
						semi-	
						annually	
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	HAPS for Petroleum Refiner	ries		
CC	40 CFR 63 S	Subpar	t G – SOCM	AI HON			
	LIMITS AN	D MO	NITORIN	G FOR EXTERNAL FLOAT	ING ROOF TA	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	

## Table VII – B16Applicable Limits and Compliance Monitoring RequirementsMACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANKS-133 (TANK 193)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
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 Permit	PERMIT CO	ONDIT	TIONS				
throughput	BAAQMD	Y		8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition 20989	,	
	20989, Part				Part A		
	А						

## Table VII – B17Applicable Limits and Compliance Monitoring RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

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	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUII	DS		
8-5	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	ING-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	

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## Table VII – B17Applicable Limits and Compliance Monitoring RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

Type of LimitEmissionFutureMonitoringMonitoringMonitoringLimitLimitFEEffectiveRequirementFrequencyMonitoringVOCBAAQMDYDateEmission LimitCitation(P/C/N)TypeVOCBAAQMDYSecondary rim-sealBAAQMDP/SA andSealstandards; includes gap criteriastandards; includes gap criteria8-5-401.1every time a seal is replacedSecondary rim-sealVOCBAAQMDYConcentration of <10,000BAAQMDperiodic degassingPortable hydrocarbonVOCBAAQMDYConcentration reports on tank inspections and source testsBAAQMD 8-5-401.1periodic degassedreports after each tank inspectionVOCYYRecords of tank seal replacementBAAQMD 8-5-401.1periodic testrecords after each tank after each tank and sourceVOCYYRecords of tank seal replacementBAAQMD 8-5-604Priodic testrecordsVOCYYDetermination of applicabilityBAAQMD 8-5-604Pr/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum RefinerusHAP40 CFR 40 CFRYDeteck fitting closure standards40 CFR 63.640(n)(5)YVisual inspectionHAP40 CFR 63.640(n)(5)YDeck fitting closure standards40 CFR 63.640(n)(5)YDisck fitting clos					<b>5-340 (TANK 100)</b>			
CitationY/NDateEmission LimitCitation(P/C/N)TypeVOCBAAQMDYSecondary rim-seal standards; includes gap criteriaBAAQMDP/SA and every time a seal is replacedVOCBAAQMDYConcentration of < 10,000 pm as methane after degassingBAAQMDP/SA and every time a seal is replacedVOCBAAQMDYConcentration of < 10,000 pm as methane after degassingBAAQMDPeriodic each time hydrocarbon detectorVOCSAAQMDYCertification reports on tank inspections and source testsBAAQMD 8-5-404Periodic each time hydrocarbon detectorVOCYYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each tank inspection and source testVOCYYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYYDetermination of applicabilityBAAQMD 8-5-604Pricedic after each tank seal replacementVOCYYDetermination of applicabilityBAAQMD 8-5-604P/ENESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries to Ad 0 CFR 63 Subpart CC - NESHAPS for Petroleum Storage Vessels40 CFR 63 subpart G - SOCMI HONNSPS Ka40 CFR 63 Subpart CC - NESHAPS for Petroleum Storage Vessels40 CFR 63.640(n)(5)Visual inspection standards63.640(n)(5) 63.640(n)(5)visual inspectionHAP<	Type of	Emission		Future		Monitoring	Monitoring	
VOC       BAAQMD       Y       Secondary rim-seal standards; includes gap criteria       BAAQMD       P/SA and every time a seal is replaced       Seal         VOC       BAAQMD       Y       Concentration of < 10,000 ppm as methane after degassing       BAAQMD       P/SA and every time a seal is replaced       Portable hydrocarbon detector         VOC       BAAQMD       Y       Concentration of < 10,000 ppm as methane after degassing       BAAQMD       Periodic each time emptied & degassed       Portable hydrocarbon detector         VOC       Y       Certification reports on tank inspections and source tests       BAAQMD       Periodic after each tank inspection and source       reports after each tank inspection and source       after each tank inspection and source         VOC       Y       Records of tank seal replacement       BAAQMD 8-5-501.2       records after each tank inspection and source       after each tank inspection and source         VOC       Y       Determination of applicability       BAAQMD 8-5-604       Pricodic of after each tank seal replacement       replacement         VOC       Y       Determination of applicability       BAAQMD 8-5-604       P/E       look-up table or sample analysis         VOC       Y       Determination of applicability       BAAQMD 8-5-604       P/E       look-up table or sample analysis         NESHAPS       40 CFR 63 Subpart CC -	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
8-5-322       standards; includes gap criteria       8-5-401.1       every time a seal is replaced       inspection         VOC       BAAQMD       Y       Concentration of < 10,000 ppm as methane after degassing       BAAQMD       Portable each time degassed         VOC       Y       Certification reports on tank inspections and source tests       BAAQMD 8-5-503       periodic each time degassed       Portable each time detector         VOC       Y       Certification reports on tank inspections and source tests       BAAQMD 8-5-404       periodic after each tank inspection and source       reports         VOC       Y       Records of tank seal replacement       BAAQMD 8-5-501.2       periodic after each tank seal replacement       records after each tank seal replacement       periodic test       records after each tank seal replacement         VOC       Y       Determination of applicability       BAAQMD 8-5-604       P/E       look-up table or sample analysis         NESHAPS       40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries       UMITS A-DEPT to PET oleum Storage Vessels       VOC       VOC       Y       Deterting closure       40 CFR 63 Subpart G - SOCMI HON       standards       63.640(n)(5) 63.646(f)       visual inspection		Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
VOC       BAAQMD       Y       Concentration of < 10,000       BAAQMD       periodic       Portable         VOC       8-5-328.1.2       VOC       Concentration of < 10,000	VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
VOCBAAQMDYConcentration of < 10,000 ppm as methane after degassingBAAQMDperiodic each time emptied & detectorPortable hydrocarbon detectorVOCYCertification reports on tank inspections and source testsBAAQMDperiodic after each after eachreportsVOCYCertification reports on tank inspections and source testsBAAQMD after each tankperiodic after eachreportsVOCYRecords of tank seal replacementBAAQMD after eachperiodic after eachrecordsVOCYRecords of tank seal replacementBAAQMD after eachrecordsVOCYDetermination of applicabilityBAAQMD B-5-604periodic after eachVOCYDetermination of applicabilityBAAQMD B-5-604P/Elook-up table or sample analysisNESHAPS CC and NSPS Ka (note 2)YDetermination of applicabilityBAAQMD B-5-604P/Elook-up table or sample analysisHAP40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries to crash40 CFR 63 Subpart G - SOC/II HON40 CFR 63.640(n)(5)Visual inspectionvisual inspectionHAP40 CFRYDeck fitting closure standards40 CFR 63.640(n)(5)visual inspectionHAP40 CFRYDeck fitting closure standards40 CFR 63.640(n)(5)visual inspection		8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
VOCBAAQMD 8-5-328.1.2YConcentration of < 10,000 ppm as methane after degassingBAAQMD 8-5-503periodic each time emptied & degassedPortable hydrocarbon detectorVOCYYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each tank inspectionreportsVOCYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each tank inspectionreportsVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank inspectionrecordsVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum RefineriesHAP40 CFR 63 Subpart CC - NESHAPS for Petroleum RefineriesImage: Next of the cord of tank seal replacementFOR 63 Subpart G - SOCMI HONP/Elook-up table or sample analysisHAP40 CFR 63 Subpart Ka - NSPS for Petroleum Storage VesselsImage: standards40 CFR 63.640(n)(5) 63.646(f)visual inspectionHAP40 CFRYDeck fitting closure standards40 CFR 63.640(n)(5) 63.646visual inspection					criteria		seal is	
8-5-328.1.2ppm as methane after degassing8-5-503each time emptied & degassedVOCYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each after each at ank inspection and sourcereportsVOCYRecords of tank seal replacementBAAQMD 8-5-404periodic after each tank inspection and sourcerecordsVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank inspection and sourcerecordsVOCYDetermination of applicabilityBAAQMD 8-5-604P/E after each tank seal replacementlook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum RefineriesUotre for Subpart G - SOCMI HONlook-UF table or sample analysisNESK a (note 2)40 CFR 60 Subpart Ka - NSPS for Petroleum Storage Vessels40 CFR 63.640(n)(5)periodic initially & dispectionvisual inspectionHAP40 CFRYDeck fitting closure standards40 CFR 63.640(n)(5)periodic initially & initially & inspectionvisual inspection								
VOCYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each after each tank inspection and source testreportsVOCYYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each tankreportsVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic tank after each tank seal replacementrecordsVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementrecordsVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS CC and NSPS Ka (note 2)YDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisHAP40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries torket A - NSPS for Petroleum Storage Vessels40 CFR 63.640(n)(5) initially & isspectionvisual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.640(n)(5) initially & isspectionvisual inspection	VOC	-	Y		-	BAAQMD	periodic	
VOCYCertification reports on tank inspections and source testsBAAQMD 8-5-404periodic after each after each after each and sourcereportsVOCYRecords of tank seal replacementBAAQMD 8-5-405periodic after each and sourcerecordsVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank after each tank seal replacementrecordsVOCYPYRecords of tank seal replacementBAAQMD 8-5-501.2recordsVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refiner8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart G - SOCMI HONStandards40 CFR 63.640(n)(5)yDeck fitting closure standards40 CFR 63.640(n)(5)visual initially & inspectionHAP40 CFRYDeck fitting closure standards40 CFR 63.640(n)(5)visual inspection		8-5-328.1.2				8-5-503		-
VOCYCertification reports on tank inspections and source testsBAAQMD 8-5-404 8-5-405periodic after each tank inspection and source testVOCYRecords of tank seal replacementBAAQMD 8-5-405periodic tank inspection and source testVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic tank tank seal replacementVOCYDetermination of applicabilityBAAQMD 8-5-604P/E 8-5-604look-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HONBAAQMD 8-5-604P/E 8-5-604look-up table or sample analysisNESP Ka (note 2)40 CFR 67 V LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSVisual initially & standardsf3.640(n)(5) 63.646(f)YDeck fitting closure standards40 CFR 63.640(n)(5)visual initially & standards					degassing		<u>^</u>	detector
VOCYRecords of tank seal replacementBAAQMD 8-5-404periodic after each tank inspection and source testVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum RefineriesUCC - NESHAPS for Petroleum RefineriesUCC - NESHAPS for Petroleum RefineriesMSPS Ka (note 2)40 CFR 63 Subpart G - SOCMI HONUCFR 63 Subpart Ka - NSPS for Petroleum Storage VesselsUIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSHAP40 CFR 63.640(n)(5)YDeck fitting closure standards40 CFR 63.640(n)(5)visual initially & standards							-	
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Neshaps (note 2)40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (note 2)BAAQMD (P/E)P/E (PETOdic) (P/E)Iook-up table (P/E)NESHAPS (C and (NSPS Ka) (and C CR)40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NSPS Ka)40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NSPS Ka)100K-up table (P/E)100K-up table (P/E)NAP (A) CFR40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NSPS Ka)40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NSPS Ka)100K-up table (P/E)100K-up table (P/E)NAP40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NOT C)100K-up table (P/E)100K-up table (P/E)100K-up table (P/E)NAP40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NOT C)100K-up table (P/E)100K-up table (P/E)100K-up table (P/E)NAP40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries (NOT C)100K-up table (P/E)100K-up table (P/E)100K-up table (P/E)NAP40 CFR 63 Subpart CC - NESHAPS for Petroleum Storage Vessels (NOT C)100K-up table (P/E)100K-up table (P/E)100K-up table (P/E)HAP40 CFR for 9 Vessels (G3.640(n)(5)Y100K-up table (G3.640(n)(5)100K-up table (S1.640(n)(5)100K-up table (S1.640(n)(5)HAP40 CFRY100K fitting closure (G3.640(n)(5)40 CFR100K (Visual) (NSPC C)100K (Visual) (NSPC C)					inspections and source tests			
VOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries40 CFR 63 Subpart G - SOCMI HONsecond 40 CFR 63 Subpart G - SOCMI HONsecond 40 CFR 63 Subpart G - SOCMI HONsecond 40 CFR 63 Subpart Ka - NSPS for Petroleum Storage Vesselssecond 40 CFR 63 Subpart Ka - NSPS for Petroleum Storage Vesselssecond 40 CFR 63 Subpart Ka - NSPS for Petroleum Storage Vesselssecond 40 CFR 63 Subpart Ka - NSPS for Petroleum Storage Vesselsvisual initially & 63.640(n)(5)visual initially & 63.646(f)visual initially & 63.646(f)visual initially & 63.646(f)visual initially & 63.646(f)visual initially & 63.646(f)						8-5-405		
VOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries40 CFR 63 Subpart G - SOCMI HONstandardsstandardsNSPS Ka (note 2)40 CFR 60 Subpart Ka - NSPS for Petroleum Storage Vesselsstandards40 CFR 63.640(n)(5)y isual initially & istandardsvisual istandards							<u>^</u>	
VOCYRecords of tank seal replacementBAAQMD 8-5-501.2periodic after each tank seal replacementVOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries40 CFR 63 Subpart G - SOCMI HONVocVocVocNSPS Ka40 CFR 63 Subpart G - SOCMI HON10 CFR 60 Subpart Ka - NSPS for Petroleum Storage VesselsVocVocVocHAP40 CFRYDeck fitting closure standards40 CFRVisual initially & standardsVocVisual initially & standardsVoc								
VOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries8-5-604P/Elook-up table or sample analysisNSPS Ka40 CFR 63 Subpart G - SOCMI HON8-5-604P/Elook-up table or sample analysisNSPS Ka40 CFR 60 Subpart Ka - NSPS for Petroleum Storage Vessels55(note 2)LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS40 CFRVisual initially & standards40 CFRHAP40 CFRYDeck fitting closure standards40 CFRperiodic of s.6466visual inspection	NOG				D 1 0 1 1			
VOCYDetermination of applicabilityBAAQMD BAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subject CC – NESHAPS for Petroleum RefineriesBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subject CC – NESHAPS for Petroleum RefineriesEuropeanEuropeanEuropeanNSPS Ka40 CFR 63 Subject C – SOCMI HONEuropeanEuropeanEuropeanNSPS Ka40 CFR 60 Subject Ka – NSPS for Petroleum Storage VesselsEuropeanEuropean(note 2)LIMITS AND MONTORING FOR EXTERNAL FLOATING ROOF TANKSVisual 63.640(n)(5)visual instituly & standards40 CFR 63.646()YDeck fitting closure standards40 CFR 63.646()periodic each timevisual inspection	VOC		Y					records
VOCYDetermination of applicabilityBAAQMD BAAQMD $8-5-604$ P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries40 CFR 63 Subpart CC - NESHAPS for Petroleum RefineriesVOC40 CFR 63 Subpart G - SOCMI HON $V = 100000000000000000000000000000000000$					replacement	8-5-501.2		
VOCYDetermination of applicabilityBAAQMD 8-5-604P/Elook-up table or sample analysisNESHAPS40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries40 CFR 63 Subpart G – SOCMI HONEVALUATIONNSPS Ka40 CFR 63 Subpart G – SOCMI HON5000000000000000000000000000000000000								
NESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries8-5-604or sample analysisNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries40 CFR 63 Subpart G - SOCMI HON $V = 10^{-10}$ NSPS Ka40 CFR 60 Subpart G - SOCMI HON40 CFR 60 Subpart Ka - NSPS for Petroleum Storage Vessels $V = 10^{-10}$ (note 2)LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS $V = 10^{-10}$ $V = 10^{-10}$ HAP40 CFRYDeck fitting closure40 CFR $V = 10^{-10}$ 63.640(n)(5) $V = 10^{-10}$ $V = 10^{-10}$ $V = 10^{-10}$ $V = 10^{-10}$ 63.646(f) $V = 10^{-10}$ $V = 10^{-10}$ $V = 10^{-10}$ $V = 10^{-10}$	VOC		v		Determination of	BAAOMD		look un table
NESHAPS       40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries         CC and       40 CFR 63 Subpart G – SOCMI HON         NSPS Ka       40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels         (note 2)       LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS         HAP       40 CFR       Y         63.640(n)(5)       Standards       63.640(n)(5)         63.646(f)       0       Deck fitting closure         63.646       each time	VOC		1				1/12	-
NESHAPS       40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries         CC and       40 CFR 63 Subpart G – SOCMI HON         NSPS Ka       40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels         (note 2)       LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS         HAP       40 CFR       Y       Deck fitting closure       40 CFR       periodic       visual         63.640(n)(5)       Standards       63.646       each time					applicability	0000		•
CC and       40 CFR 63 Subpart G – SOCMI HON         NSPS Ka       40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels         (note 2)       LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS         HAP       40 CFR       Y       Deck fitting closure       40 CFR       periodic       visual         63.640(n)(5)       G3.646(f)       V       Deck fitting closure       63.646       each time	NESHAPS	40 CFR 63 S	uhnar	t CC – NES	SHAPS for Petroleum Refine	ries		unurysis
NSPS Ka       40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels         (note 2)       LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS         HAP       40 CFR       Y         63.640(n)(5)       Deck fitting closure       40 CFR         63.646(f)       Image: Standards       63.646         63.646(f)       Image: Standards       63.646						1105		
(note 2)LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSHAP40 CFRY63.640(n)(5)Deck fitting closure40 CFR63.640(n)(5)standards63.640(n)(5)63.646(f)63.646each time			-			aala		
HAP40 CFR 63.640(n)(5)YDeck fitting closure standards40 CFR 63.640(n)(5)periodic initially & each timevisual inspection			-		_			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						1		vigual
63.646(f) 63.646 each time	НАР		-		-			
					stanuarus		5	inspection
		03.040(1)						
63.120 degassed							·	
(b)(10)							acgusseu	
HAP 40 CFR Y Primary rim-seal standards; 40 CFR periodic measurement	НАР	40 CFR	Y		Primary rim-seal standards		periodic	measurement
63.640(n)(5) includes gap criteria $63.640(n)(5)$ initially & at and visual			-		2			
63.646(a) 63.646(a) 5 yr intervals inspection								
63.120 63.120							,	1
(b)(3)&(5) (b)(1) & (2)						(b)(1) & (2)		

## Table VII – B17Applicable Limits and Compliance Monitoring RequirementsNSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALSS-340 (TANK 108)

				D=3=0 (TANK 100)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
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 CO	ONDI'	TIONS				
Permit						-	
throughput	BAAQMD	Y		7.67 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	А						

2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S-340 (Tank 108) is subject to NSPS Ka and MACT.

#### Table VII – B18

#### Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-113 (TANK 158), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Type of Limit	Emission Limit	FE	Future Effective		<b>Monitoring</b>	Monitoring	Monitoring
Linnt	-				Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
BAAQMD	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUII	DS		
8-5	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	<b>TING-ROOF</b> 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	

#### Table VII – B18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-113 (TANK 158), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Torrege	Tour tour		T- 4		Manifest	Maria	
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		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
						degassed	
VOC		Y		Certification reports on tank	BAAQMD 8-5-404	periodic	reports
				inspections and source tests	8-5-404 8-5-405	after each	
					8-3-403	tank	
						inspection and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	records
voc		I		replacement	8-5-501.2	after each	records
				replacement	8-5-501.2	tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
100		1		applicability	8-5-604	172	or sample
				upphouointy			analysis
The followi	ng annly only	to S-1	13 (Tank 1	58), S-125 (Tank 170)			
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
100	8-5-303.1			pressure within 10% of	8-5-403	1,011	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 S-1	13 (Tank 1	58), S-125 (Tank 170)			
	1			SHAPS for Petroleum Refine	eries		
CC	40 CFR 63 S	-					
				G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS	

#### Table VII – B18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-113 (TANK 158), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
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	<u>periodic</u>	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 Permit	PERMIT C	ONDI	TIONS				
throughput	BAAQMD	Ν		S-113: 1.49 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S-125: 1.05 E 7 bbl/yr	Condition		
	20989, Part			S-261: 7.01 E 7 bbl/yr	20989, Part A		
	А						
throughput	BAAQMD	Y		S-183: 4.38 E 5 bbl/yr	BAAQMD	P/M	records
	Condition			S-184: 4.38 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	А						

## Table VII – B19Applicable Limits and Compliance Monitoring RequirementsRIVETED MACT EXTERNAL FLOATING ROOF TANKS-216 (TANK 695)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре				
BAAQMD	Organic Co	rganic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	TING-ROOF TA	ANKS					

#### Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

				S-216 (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
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
NESHAPS CC	40 CFR 63 S	- Subpar	t G – SOCI	SHAPS for Petroleum Refine AI HON G FOR EXTERNAL FLOAT		ANKS	

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## Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
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 Permit	PERMIT CO	ONDII	TIONS				
throughput	BAAQMD	N		4.6 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	А						

## Table VII – B20Applicable Limits and Compliance Monitoring RequirementsMACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALS

#### S-134 (TANK 194)

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	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUI	DS		
8-5	LIMITS AN	D MO	NITORINO	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	

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## Table VII – B20Applicable Limits and Compliance Monitoring RequirementsMACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALSS-134 (TANK 194)

				5-134 (TANK 174)			
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 set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
NOC	DAAOM	3.7		tank, or at least 0.5 psig		D/CA	N (1 101
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as	BAAQMD 8-5-403	<u>P/SA</u>	Method 21 portable
	8-3-303.2			methane) above background			hydrocarbon
				memane) above background	8-5-605 8-5-605		detector
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
100	8-5-320	1		standards; includes gasketed		17571	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	
VOC		V		C	DAAOMD	replaced	Destal 1
VOC	BAAQMD	Y		Concentration of < 10,000 ppm as methane after	BAAQMD	<u>periodic</u> each time	Portable hydrocarbon
	8-5-328.1.2			degassing	8-5-503	emptied &	detector
				uegassing		degassed	detector
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports
100				inspections and source tests	8-5-404	after each	reports
				·r	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 8-5-604	P/E	look-up table
				applicability	8-3-004		or sample
I	II	l		l l	1	l	analysis

## Table VII – B20Applicable Limits and Compliance Monitoring RequirementsMACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANKW/O ZERO-GAP SEALSS-134 (TANK 194)

Limit CitationFE V/NEffective DateEffective Emission LimitRequirement CitationFrequency (P/C/N)Monitoring TypeBAAQMD 8-8BAAQMD S-Urganic Computes - Wastewater (Oil Water Separators)BAAQMD S-8-303YVajor tight gauging and sampling devicesBAAQMD S-8-504 S-8-603NPortable hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-603NPortable hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1NPortable inspectionNESHAPS CC40 CFR 63 Subpart G - SOC/II HON LIMITS AUTOR TORE TOR EXTERNAL FLOATING ROOF TANKSVisual inspectionvisual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646visual inspectionHAP40 CFR 63.646(f)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a)visual 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 63.646(a)measurement and visual inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement and visual insp	Type of	Emission		Future	<b>5-134 (1AKK 1)4)</b>	Monitoring	Monitoring	
CitationV/NDateEmission LimitCitation(P/C/N)TypeBAAQMDBAAQMDSourceSourc			FE			0	-	Monitoring
BAAQMD       BAAQMD 5.8 – Organic Compounds – Wastewater (Oil Water Separators)         8-8       VOC       BAAQMD Y       Nestewater (Oil Water Separators)         VOC       BAAQMD (Separators)       Y       Vapor tight gauging and sampling devices       BAAQMD (Separators)       N       Portable hydrocarbon detector         VOC       BAAQMD (Separators)       Y       Slop oil tank vessel roof criteria; includes gap criteria       BAAQMD (Separators)       Nester (Separators)       Nester (Separators)         VOC       BAAQMD (Separators)       Y       Slop oil tank vessel roof criteria; includes gap criteria       BAAQMD (Separators)       Nester (Separators)       Nester (Separators)         NESHAPS       40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries       CC       40 CFR 63 Subpart G – SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS       visual inspection         HAP       40 CFR       Y       Deck fitting closure standards;       40 CFR       periodic (Separators)       visual inspection         HAP       40 CFR       Y       Deck fitting closure includes gap criteria       40 CFR       periodic (Separators)       measurement and visual inspection         HAP       40 CFR       Y       Primary rim-seal standards; includes gap criteria       63.646(a)       63.120       S visual inspection					Emission Limit	-		C
8-8       VOC       BAAQMD 8-8-303       Y       Vapor tight gauging and sampling devices       BAAQMD 8-8-504       N       Portable hydrocarbon detector         VOC       BAAQMD       Y       Slop oil tank vessel roof criteria; includes gap criteria       BAAQMD 8-8-305.1       N       Portable hydrocarbon detector         VOC       BAAQMD       Y       Slop oil tank vessel roof criteria; includes gap criteria       BAAQMD 8-8-305.1       Periodic initially & semi- annually       visual inspection         NESHAPS       40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries       VOC	PAAOMD							турс
VOC 8-8-303BAAQMD 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 8-8-305.1periodic initially & semi- annuallyvisual inspectionNESHAPS CC40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSvisual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646 (a) & (e) (b)(1) & (2)visual inspectionHAP40 CFR 63.646(a)YDeck fitting closure standards40 CFR 63.646 (a) & (b) (b)(1) & (2)visual inspectionHAP40 CFR (b)(3) & (b)(3) & (c)Primary rim-seal standards; includes gap criteria (b)(3) & (c)40 CFR (c) (b)(1) & (2)measurement and visual inspectionHAP40 CFR (b)(3) & (c)YSecondary rim-seal standards; includes gap criteria40 CFR (b)(1) & (2)measurement and visual inspectionHAP40 CFR (b)(3) & (c)YSecondary rim-seal standards; includes gap criteria40 CFR (b)(1) & (2)measurement 	-	DAAQMD	<b></b>	rganic Con	ipounus – wastewater (On v	valer Separato	15)	
8-8-303NetworkSampling devices8-8-504 8-8-603hydrocarbon detectorVOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1periodic initially & semi- annuallyvisual inspectionNESHAPS40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries40 CFR 63 Subpart G - SOCMI HON LIMITS AND NONTORING FOR EXTERNAL FLOAT FOR EXTERNAL FLOAT (a) & (a) & (c)9eriodic semi- annuallyvisual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646periodic (b)(100visual inspectionHAP40 CFR 63.646(a)YDeck fitting closure includes gap criteria40 CFR 63.646(a)measurement inspectionHAP40 CFR (b)(3)&(5)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement inspectionHAP40 CFR (b)(3)&(5)YSecondary rim-seal standards; includes gap criteria40 CFR (b)(1) & (2)measurement and visual inspectionHAP40 CFR (b)(4)&(6)YSecondary rim-seal standards; includes gap criteria40 CFR (b)(1) & (2)measurement and visual inspectionHAP40 CFR (b)(4)&(6)YSecondary rim-seal standards; includes gap criteria40 CFR (b)(1) & (2)measurement and visual inspectionHAP40 CFR (b)(4)&(6)YSecondary rim-seal standards; includes gap criteria40 CFR (b)(1) & (2)measurement and visual in		DAAOMD	v	i	Vapor tight gauging and	DAAOMD	N	Dortabla
VOCBAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1periodic initially & semi- annuallyvisual inspectionNESHAPS CC40 CFR 63 Subpart CC - NESHAPS for Petroleum Refiner UMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS907.000visual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646visual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646(a)visual inspectionHAP40 CFR 63.646(a)YDeck fitting closure standards40 CFR 63.646(a)measurement includes gap criteriaHAP40 CFR 63.646(a)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement initially & at inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement initially & at initially & a	VOC	-	I				IN	
VOC 8-8-305.1BAAQMD 8-8-305.1YSlop oil tank vessel roof criteria; includes gap criteriaBAAQMD 8-8-305.1periodic initially & semi- annuallyvisual inspectionNESHAPS CC40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS40 CFR 63.646(f)yyvisual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646 (a) & (a) & (e) (b)(10)degassedvisual inspectionHAP40 CFR 63.646(a) (b)(3)&(5)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a) (b)(10)measurement and visual inspectionHAP40 CFR 63.646(a) (b)(3)&(5)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a) (b)(1) & (2)measurement and visual inspectionHAP40 CFR 63.646(a) (b)(3)&(5)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a) (b)(1) & (2)measurement and visual inspectionHAP40 CFR 63.120 (b)(4)&(6)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a) 63.120 (b)(1) & (2)measurement and visual inspectionHAP40 CFR 63.646(a) (b)(4)&(2)YSecondary rim-seal (b)(1) & (2)40 CFR 63.646(a) (c)(1) & (2)measurement and visual inspectionHAP40 CFR 63.20 (b)(4)&(6)YSecondary rim-seal (c)(1) & (2)40 CFR (c)(1) & (2) </td <td></td> <td>0-0-505</td> <td></td> <td></td> <td>sampning devices</td> <td></td> <td></td> <td></td>		0-0-505			sampning devices			
Driftyand 8-8-305.1criteria; includes gap criteria8-8-305.1initially & isemi- annuallyinspectionNESHAPS CC40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSvisual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR 63.646 (a) & (e)periodic (initially & inspectionvisual inspectionHAP40 CFR 63.646(a)YDeck fitting closure standards40 CFR 63.646 (a) & (e)measurement 63.120measurement (and visual 63.120measurement (b)(10)degassed (b)(10)measurement (b)(10)HAP40 CFR 63.646(a)YPrimary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement (b)(10) & (2)measurement (b)(10) & (2)HAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement (b)(1) & (2)HAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap criteria40 CFR 63.646(a)measurement (and visual inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap (b)(1) & (2)Measurement (and visual inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap (b)(1) & (2)Measurement (and visual inspectionHAP40 CFR 63.646(a)YSecondary rim-seal standards; includes gap (b)(1) & (2) </td <td>VOC</td> <td>PAAOMD</td> <td>Y</td> <td></td> <td>Slop oil tank vessel roof</td> <td></td> <td>periodic</td> <td></td>	VOC	PAAOMD	Y		Slop oil tank vessel roof		periodic	
NESHAPS CC40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 63 Subpart G - SOCMI HON LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKSsemi- annuallyHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR (a) & (e)periodic (initially & (b)(10)visual inspectionHAP40 CFR 63.646(f)YDeck fitting closure standards40 CFR (b)(10)periodic (each time (b)(10)visual inspectionHAP40 CFR 63.646(a)YPrimary rim-seal standards; includes gap criteria (b)(10)40 CFR (b)(10)measurement (and visual (b)(1) & degassedHAP40 CFR (b)(3)&(5)YSecondary rim-seal (b)(1)&(2)measurement (and visual (astandards; includes gap (b)(1) & (2)HAP40 CFR (b)(3)&(5)YSecondary rim-seal (b)(1)&(2)measurement (and visual (astandards; includes gap (b)(1) & (2)HAP40 CFR (b)(4)&(6)YSecondary rim-seal (b)(1) & (2)measurement (and visual (astandards; includes gap (b)(1) & (2)HAP40 CFR (b)(4)&(6)YSecondary rim-seal (b)(1) & (2)measurement (and visual (astandards; includes gap (b)(1) & (2)HAP40 CFR (b)(4)&(6)YSecondary rim-seal (b)(1) & (2)measurement (and visual (astandards; includes gap (b)(1) & (2)HAP40 CFR (b)(4)&(6)YSecondary rim-seal (c)(1) & (2)measurement (astandards; includes gap (b)(1) & (2)HAP40 CFR (c)(3)YSecondary rim-seal (c		~	-			~		
NESHAPS       40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries         40 CFR 63 Subpart G - SOCMI HON       UMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS         HAP       40 CFR       Y       Deck fitting closure       40 CFR       periodic       visual         HAP       40 CFR       Y       Deck fitting closure       40 CFR       (a) & (b)       (a) & (c)       each time         HAP       40 CFR       Y       Deck fitting closure       40 CFR       (c) (a) & (c)       (c) (b) (a) & (c)       (c) (b) (a) & (c)       (c) (a) & (c)       (c) (a) & (c)       (c) (b) (a) & (c)       (c) (b) (a) & (c)       (c) (b) (a) & (c)       (c) (b) (a) & (c)       (c) (a) & (c)		0-0-505.1					5	1
CC LIMITS AND MONTORING FOR EXTERNAL FLOATING ROOF TANKSHAP40 CFRY 63.646(f)Deck fitting closure standards40 CFR 63.646periodic initially & initially & (a) & (a) & (e) (b)(1)visual inspectionHAP40 CFRY (a) & (b) (b)Image: Colspan="4">Colspan="4"HAP40 CFRY (a) CFRPrimary rim-seal standards; includes gap criteria40 CFRperiodic initially & at and visual inspectionmeasurement 63.120and visual inspectionHAP40 CFRY (b)(3)&(5)Secondary rim-seal standards; includes gap criteria40 CFRperiodic initially & at and visual inspectionHAP40 CFRY (b)(4)&(6)Secondary rim-seal standards; includes gap criteria40 CFRperiodic initially & and visual inspectionHAP40 CFRY (b)(4)&(6)Secondary rim-seal standards; includes gap criteria63.120annually inspectionHAP40 CFRY (b)(4)&(6)FSecondary rim-seal criteria40 CFRperiodic (b)(1) & 20							annually	
CC LIMITS AND MONTORING FOR EXTERNAL FLOATING ROOF TANKSHAP40 CFRY 63.646(f)Deck fitting closure standards40 CFR 63.646periodic initially & initially & (a) & (a) & (e) (b)(1)visual inspectionHAP40 CFRY (a) & (b) (b)Image: Colspan="4">Colspan="4"HAP40 CFRY (a) CFRPrimary rim-seal standards; includes gap criteria40 CFRperiodic initially & at and visual inspectionmeasurement 63.120and visual inspectionHAP40 CFRY (b)(3)&(5)Secondary rim-seal standards; includes gap criteria40 CFRperiodic initially & at and visual inspectionHAP40 CFRY (b)(4)&(6)Secondary rim-seal standards; includes gap criteria40 CFRperiodic initially & and visual inspectionHAP40 CFRY (b)(4)&(6)Secondary rim-seal standards; includes gap criteria63.120annually inspectionHAP40 CFRY (b)(4)&(6)FSecondary rim-seal criteria40 CFRperiodic (b)(1) & 20	NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries		
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63.646(f)         Image: Standards         63.646         initially & initially & (a) & (e)         initially & each time         inspection           HAP         40 CFR         Y         Primary rim-seal standards; includes gap criteria         40 CFR         periodic         measurement           63.646(a)         V         Primary rim-seal standards; includes gap criteria         63.646(a)         initially & at         and visual           63.120         V         Primary rim-seal standards; includes gap criteria         63.646(a)         initially & at         and visual           63.120         V         Periodic         measurement         and visual         inspection           (b)(3)&(5)         V         Periodic         standards; includes gap         63.120         periodic         measurement           40.278         Y         Secondary rim-seal         40 CFR         periodic         measurement           63.120         V         Secondary rim-seal         63.646(a)         initially & at         and visual           63.120         V         Secondary rim-seal         63.646(a)         initially & at         and visual           63.120         V         Secondary rim-seal         63.120         annually         inspection           (b)(4)&(6)         V								
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(b)(4)&(6)     (b)(1)&(2)     Image: Constraint of the constraint o							5	
BAAQMD PERMIT CONDITIONS         Permit       PERMIT CONDITIONS         throughput       BAAQMD       N       1.31 E 7 bbl/yr       BAAQMD       P/M       records         Condition       20989, Part       0       0       20989, Part A       0       0					ernerna		annuany	inspection
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20989, Part A 20989, Part A	throughput	BAAQMD	Ν		1.31 E 7 bbl/yr	BAAQMD	P/M	records
20989, Part A 20989, Part A		Condition				Condition		
A		,						

Table VII – B21

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

	· · · · · · · · · · · · · · · · · · ·			5-200 (1 <i>5</i> ), 5-207 (110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,					
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 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	8-5-11	7. Low vap	or pressure	-						
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure				
	Condition			when true vapor pressure is less	Condition		determination				
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material				
	20775, 1 att 1						change				
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAP for Petroleum Refiner	ies						
CC	MONITOR	ING FO	OR RECOR	RDKEEPING ONLY							
НАР	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					
				<u>^</u>		in service					

## Table VII – B22Applicable Limits and Compliance Monitoring RequirementsEXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GASS-158 (TANK 258), S-175 (TANK 284)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре

#### Table VII – B22 Applicable Limits and Compliance Monitoring Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-158 (TANK 258), S-175 (TANK 284)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	8-5-11	7. Low vap	or pressure							
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change				
<u>NONE</u>	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system.										

# Table VII – B23AApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING \*BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

				), 0 107 (IMA 104), 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 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
	Exempt per	Exempt per 8-5-117. Low vapor pressure										
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change					
NESHAPS	40 CFR 63 S	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries										
СС	MONITORI	ING F	OR RECOR	RDKEEPING ONLY								

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

# Table VII – B23AApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING <sup>+</sup>BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure										
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 – B23B

#### Applicable Limits and Compliance Monitoring Requirements

**EXEMPT EXTERNAL FLOATING ROOF TANKS** 

#### SUBJECT TO MACT RECORDKEEPING<sup>+</sup> BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 154)
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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	Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AN	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	-	P/SA	Measurement and visual inspection			

<sup>&</sup>lt;sup>+</sup> Sources S-108, S-109, and S-127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks. 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 – B23BApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING \*BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (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
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	
NOC	DA LOND	37		0 1 1		replaced	G 1
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal	BAAQMD 8-5-401.1	P/SA and every time a	Seal inspection
	8-3-322			standards; includes gap criteria	8-5-401.1	seal is	inspection
				enteria		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	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	Records
100		1		replacement	8-5-501.2	after each	Records
				· · · · · · · · · · · · · · · · · · ·		tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NESHAPS		-		SHAPS for Petroleum Refine	eries		
CC	40 CFR 63 S	-					
			NITORINO	G FOR EXTERNAL FLOAT	1		
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e) 63.120	each time	
					63.120 (b)(10)	emptied & degassed	
НАР	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
11/41		1		-			
				menudes gap enteria		-	
	63.646(a) 63.120 (b)(3)&(5)			includes gap criteria	63.646(a) 63.120 (b)(1) & (2)	initially & at 5 yr intervals	and visual inspection

# Table VII – B23BApplicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF TANKSSUBJECT TO MACT RECORDKEEPING \*BUT WITH GROUP I MACT FLEXIBILITYS-108 (TANK 153), S-109 (TANK 154), S-127 (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
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 – B24

#### Applicable Limits and Compliance Monitoring Requirements NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S-90 (TANK 67), S-105 (TANK 129)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per 8	8-5-11	7. Low vap	or pressure							
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure				
	Condition			when true vapor pressure is less	Condition		determination				
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material				
							change				
NESHAPS	40 CFR 60 Sı	ıbpar	t K – NSPS	for Petroleum Storage Vesso	els <sup>1</sup>						
CC	40 CFR 63 Sı	ıbpar	t CC – NES	SHAP for Petroleum Refineri	ies						
	MONITORI	NG FO	OR RECOR	RDKEEPING ONLY							
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records				
	63.640(n)(7)			organic HAP in stored liquid	63.654(i)(1)	initially and					
	63.641			for Group 2 determination.	(iv)	upon change					
						in service					

<sup>&</sup>lt;sup>1</sup> 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 – B25Applicable Limits and Compliance Monitoring RequirementsEXEMPT BUTANE SPHERES

#### S-188 (TANK 300), S-189 (TANK 301), S-190 (TANK 302), S-253 (TANK 833)

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				AGE OF ORGANIC LIQUII		(1,0,11)	Type
8-5	0	-		G FOR PRESSURE TANKS			
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
voc	8-5-301	1		true vapor pressure	8-5-501.1	initially and	records
	0.5.501			true vupor pressure	0.0.001.1	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		Draggura tank must ha gag	8-5-605	not encoified	detector Method 21
VOC	BAAQMD 8-5-307	I		Pressure tank must be gas tight: < 100 ppm (as	BAAQMD 8-5-503	not specified	portable
	8-5-507			methane) above background	8-5-505 8-5-605		hydrocarbon
				inculaite) above background	0.5.005		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
						degassed	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
<u>NONE</u>	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries						
	Exempt per 63.640(d)(5). Emission point routed to fuel gas system						
The following	ng applies to	S-188 d	only				
NONE	40 CFR 60 S	Subpar	t Kb – NES	HAPS for Petroleum Refine	ries		
	Exempt per	60.110	b(d)(2). Pr	essure vessel designed to oper	rate in excess of	f 204.9 kPa and	l without
	emissions to	the at	mosphere.				

#### Table VII – B26

Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK VENTED TO FUEL GAS S-135 (TANK 200)

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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 8-	5 - Or	ganic Com	pounds - STORAGE OF OR	GANIC LIQUI	DS	
	Exempt per 8	8-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 <b>&amp;</b>	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
							change
NONE	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per 6	53.640	(d)(5). Em	ission point routed to fuel ga	s system.		
NSPS Kb	40 CFR 60 Su	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	t Petroleum Ref	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)		

## Table VII – B27Applicable Limits and Compliance Monitoring RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235, TANK 236

	i.			TANK 255, TANK 250		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 8-	5 - Or	ganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
	20770,1011						change
NONE	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per 6	3.640	(d)(5). Em	ission point routed to fuel ga	s system.		
NSPS Kb	40 CFR 60 St	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	t Petroleum Ref	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)		
NSPS	40 CFR 60 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems						ems
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

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## Table VII – B27Applicable Limits and Compliance Monitoring RequirementsNSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GASTANK 235, TANK 236

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		Problems identified during 40 CFR 60.692-3(a)	40 CFR 60.697(c)	periodic when problem	Records
				inspections that could result in VOC emissions		is identified	
VOC		Y		Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions	40 CFR 60.698(c)	<u>periodic</u> initially and semi-annually	Report

#### Table VII – B28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

<b>TANK 237</b>
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	i i					1	-
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
	BAAQMD 8-	5 - Or	ganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES						
NSPS Kb	40 CFR 60 St RECORDKE	-		S for VOL Storage Vessels at	t Petroleum Re	fineries	
Vapor pressure	40 CFR 60.110b(c)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b(b)	P/E	Record
Vapor pressure		Y		TVP exceedances (> 5.2 kPa).	40 CFR 60.116b(d)	periodic within 30 days of exceedance	Notification
NSPS QQQ	40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	<u>periodic</u> initially and semi-annually	Visual inspection

### Table VII – B28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

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		Problems identified during	40 CFR	periodic	Records
				40 CFR 60.692-3(a)	60.697(c)	when problem	
				inspections that could result		is identified	
				in VOC emissions			
VOC		Y		Problems identified during	40 CFR	periodic	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result		semi-annually	
				in VOC emissions			

#### Table VII – B29 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK TANK 224

#### Type of Emission Future Monitoring Monitoring FE Limit Limit Effective Requirement Frequency Monitoring (P/C/N) Y/N Date Citation **Emission Limit** Citation Туре BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure POC 8-5-117 & Exemption from Regulation 8-5 2-6-409.2 & P/E Vapor pressure Y when true vapor pressure is less Condition determination Condition than 25.8 mm Hg (0.5 psia). 20773, Part 2 upon material 20773, Part 1 change NESHAPS 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries 40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries CC and NSPS Kb **RECORDKEEPING ONLY** 40 CFR True vapor pressure less P/E Y 40 CFR Vapor Record pressure 63.640(n)(1)than 3.5 kPa. 63.640(n)(8) 60.110b(c) 60.116b(b) Y TVP exceedances (> 5.2 40 CFR Notification Vapor periodic within 30 days pressure kPa). 60.116b(d) of exceedance

## Table VII – B30Applicable Limits and Compliance Monitoring RequirementsEXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKSTANK 206, TANK 207

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS						
	Exempt per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
NONE	NE 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES						

#### VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

#### Table VIIITest Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD		
Regulations		
6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
8-2-301	VOC Emission Limit for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
8-5-301	Tank Emission Control System Requirements, 95% Abatement Efficiency	Manual of Procedures, Volume IV, ST-4
8-5-303.2	Gas Tight Requirements for	Organic compounds shall be measured using a portable gas
8-5-306, and 8-5-307	Organic Liquid Storage Tanks	detector as prescribed in EPA Reference Method 21 (40 CFR 60, Appendix A)
8-5-320	Floating Roof Tank (internal and external) tank fitting gap measurement	Physical measurements as described in BAAQMD 8-5-320 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-321	Floating Roof Tank (internal and external) primary rim seal gap gap measurement	Physical measurements as described in BAAQMD 8-5-321 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-322	Floating Roof Tank (internal and external) secondary rim seal gap gap measurement	Physical measurements as described in BAAQMD 8-5-322 when required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
8-5-328.1.2	Tank Degassing Emission Control System Requirements	Manual of Procedures, Volume IV, ST-7

#### Table VIII Test Methods

Applicable		
Requirement	<b>Description of Requirement</b>	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 (40 CFR 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 (40 CFR 60, Appendix A)
8-8-303, and		
8-8-304		
8-18	Fugitive Emission Monitoring	EPA Method 21
	Requirements	
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	

Table VIII	Table VIII						
<b>Test Methods</b>							

Applicable		
Requirement	<b>Description of Requirement</b>	Acceptable Test Methods
8-44-303	Tank vessel is leak free and gas tight	EPA Method 21
8-44-603	Leak Tests and Gas Tight Determinations	EPA Method 21
9-1-301, 9-2-301, 9-1-604	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring
9-1-313	NH3 and H2S abatement efficiency	Manual of Procedures, Volume III, Lab 32, Determination of H2S in Process Water Streams Manual of Procedures, Volume III, Lab 1, Determination of NH3 in Effluents
9-9-301.3	Emission Limits- Turbines Rated > 10 MW with SCR	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
9-10-301	Refinery-Wide NO <sub>x</sub> Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-303.1	NO <sub>x</sub> Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-305	CO Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-6 (carbon monoxide) for CEM verification by source test
40 CFR 60 Subpart A	New Source Performance Standards – General Provisions (12/23/71)	
40 CFR Subpart A 60.18(c)(1)	Visible emission monitoring	EPA Method 22: Visible Emissions

#### Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60	Standards of Performance for	
Subpart Db	Industrial-Commercial-	
	Institutional Steam Generating	
	Units (3/13/00)	
40 CFR 60	NO <sub>x</sub> Emission Limit	40 CFR 60 Appendix B, Performance Specification 2
Subpart Db		
60.44b(a)		
60.44b(e)		
40 CFR 60	Standards of Performance for	
Subpart J	Petroleum Refineries (7/1/00)	
40 CFR 60	Fuel Gas H2S Concentration	40 CFR 60 Appendix B, Performance Specification 7 and Method
Subpart J,	Limit	11 for Relative Accuracy
60.104(a)(1)		
40 CFR 60,	H2S concentration monitoring	EPA Method 3: O2
Subpart J,		
60.106(f)(3)		
40 CFR	SO2 concentration monitoring	EPA Method 6: SO2
60,Subpart J,		
60.106(f)(1)		
40 CFR 60,	H2S concentration monitoring	EPA Method 11: H2S
Subpart J,		
60.106(e)		
40 CFR	TRS concentration monitoring	EPA Method 15: Total Reduced Sulfur
60,Subpart J,		
60.106(f)(2)		
40 CFR 60	Standards of Performance for	
Subpart Kb	Volatile Organic Liquid	
	Storage Vessels	
40 CFR 60	NSPS Subpart Kb Closed Vent	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart Kb	System – leak detection	Subpart VV 60.485(b)
60.112b		
(a)(3)(i)		

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#### Table VIII Test Methods

Applicable			
Requirement	Description of Requirement	Acceptable Test Methods	
40 CFR 60	NSPS Subpart Kb Closed Vent	40 CFR 60 Subpart Kb 60.113b(c) Testing and Procedures	
Subpart Kb	System Performance (95%		
60.112b	efficiency)		
(a)(3)(ii)			
40 CFR 60	NSPS Subpart Kb External	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3)	
Subpart Kb	Floating Roof Tank primary rim	Testing and Procedures	
60.113b	seal gap measurement		
(b)(4)(i)			
40 CFR 60	NSPS Subpart Kb External	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3)	
Subpart Kb	Floating Roof Tank secondary	Testing and Procedures	
60.113b	rim seal gap measurement		
(b)(4)(ii)			
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	
00.555 (0)	r uer suntur Emitt (inquita fuel)	Oils	
40 CFR 60,	Inspection Procedures	EPA Reference Method 21	
Appendix A	mspoorton ricoodulos		
40 CFR 60	Standards of Performance for		
Subpart VV	Equipment Leaks of VOC in		
~~~~	SOCMI		
	L =		

#### Table VIII Test Methods

Applicable			
Requirement	<b>Description of Requirement</b>	Acceptable Test Methods	
40 CFR 60	Pumps in light liquid service –	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	leak detection	Subpart VV 60.485(b)	
60.482-2(b)(1)			
40 CFR 60	Pumps in light liquid service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	designated for "no detectable	Subpart VV 60.485(c)	
60.482-2(e)	emission" - leak detection		
40 CFR 60	Compressors designated for "no	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	detectable emission" - leak	Subpart VV 60.485(c)	
60.482-3	detection		
40 CFR 60	Pressure relief valve (gas/vapor)	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	no detectable emissions after a	Subpart VV 60.485(c)	
60.482-4(b)	pressure release event.		
40 CFR 60	Valves in gas/vapor service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	in light liquid service – leak	Subpart VV 60.485(b)	
60.482-7(b)	detection.		
40 CFR 60	Valves in gas/vapor service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	in light liquid service and	Subpart VV 60.485(c)	
60.482-7(f)	designated for "no detectable		
	emission" - leak detection		
40 CFR 60	Valves in gas/vapor service and	40 CFR 60 Appendix A, Method 21 once per year in accordance	
Subpart VV	in light liquid service and	with written plan (60.482-7(h)(3)	
60.482-7(h)	designated as difficult-to-		
	monitor.		
40 CFR 60	Pumps and valves in heavy	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	liquid service, pressure relief	Subpart VV 60.485(b)	
60.482-8(b)	devices (liquid), and flanges and		
	other connectors - leak detection		
40 CFR 60	Individual valves meeting	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60	
Subpart VV	criteria for skip period leak	Subpart VV 60.485(b)	
60.483-2	detection – leak detection		
40 CFR 60	Standards of Performance For		
Subpart	Petroleum Refinery		
QQQ	Wastewater Systems		

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#### Table VIII Test Methods

Applicable			
Requirement	Description of Requirement	Acceptable Test Methods	
40 CFR 60,	Performance test methods and	Sources equipped with a closed-vent system and control device	
Subpart QQQ,	procedures and compliance	shall use EPA Method 21 to measure the emission concentrations,	
60.696	provisions	using 500 ppm as the no detectable emission limit. Acceptable	
		seal gap criteria also included.	
40 CFR 60,	Leak inspection procedures	40 CFR 60 Subpart QQQ, 60.696:	
Subpart QQQ		EPA reference method 21 (40 CFR 60, Appendix A),	
		Determination of Volatile Organic Compound Leaks	
40 CFR 61	National Emission Standard		
Subpart FF	for Benzene Waste Operations		
40 CFR 61,	Leak inspection procedures	40 CFR 61 Subpart FF, 61.355(h):	
Subpart FF		EPA reference method 21 (40 CFR 60, Appendix A),	
61.349		Determination of Volatile Organic Compound Leaks	
(a)(1)(i)			
	Visual Inspection	40 CFR 61 Subpart FF, 61.354(f)	
40 CFR 61,			
Subpart FF			
61.354 (f)			
40 CFR 63	National Emissions Standards		
Subpart CC	for Hazardous Air Pollutants		
	from Petroleum Refineries –		
	General Standards		
40 CFR 63	Refinery MACT (40 CFR 63	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures	
Subpart CC	Subpart CC) Group 1 external	to Determine Compliance	
63.646(a)	floating roof tanks primary rim-		
40 CFR 63	seal gap measurement		
Subpart G			
63.120(b)(3)			
63.120(b)(5)			

Table VIII
<b>Test Methods</b>

Applicable		
Requirement	<b>Description of Requirement</b>	Acceptable Test Methods
40 CFR 63	Refinery MACT (40 CFR 63	40 CFR 63 Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
Subpart CC	Subpart CC) Group 1 external	to Determine Compliance
63.646(a)	floating roof tanks secondary	
40 CFR 63	rim-seal gap measurement	
Subpart G		
63.120(b)(4)		
63.120(b)(6)		
California		
Air		
Resources		
Board		
(CARB)		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torgue
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		

#### IX. PERMIT SHIELD

#### A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] are not applicable to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

### Table IX A - 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).	
40 CFR 60.692-	This subsection of NSPS Subpart QQQ requires vents on oil-water separators to be routed	
<b>3(b)</b>	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.	

## Table IX B - 2Permit Shield for Subsumed RequirementsS-352 – COMBUSTION TURBINES-353 – COMBUSTION TURBINES-354 – COMBUSTION TURBINE

Subsumed			
Requirement		Streamlined	
Citation	Title or Description	Requirements	Title or Description
NSPS Subpart GG, 40 CFR 60.334(a)	Install and operate a continuous monitoring system to monitor and record the ratio of water to fuel being fired in the turbine.	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 40 CFR 60.334(b).	Per BAAQMD regulations and permit conditions, ConocoPhillips has equipped the turbines with NOx CEMs in lieu of monitoring the water-to-fuel- ratio being fired in the turbines. Further, proposed amendments to Subpart GG (FR 17990), allow facilities to install and operate a NOx CEM in lieu of water to fuel ratio monitoring.
NSPS Subpart GG, 40 CFR 60.334(b)	Monitor nitrogen content of the fuel being fired in the turbine.	Proposed Subpart GG Amendments: 40 CFR 60.334(h)(2).	Per proposed amendments to Subpart GG (FR 17990), facilities that elect to take no allowance for fuel bound nitrogen in determining the applicable NOx standard are not required to monitor nitrogen fuel content. ConocoPhillips will elect to take this approach when the proposed amendments become effective (May 29, 2003), resulting in a revised NOx standard per 60.332(a)(2) of 150 ppmv at 15% O2 with no fuel bound nitrogen monitoring.
NSPS Subpart GG, 40 CFR 60.334(c)(1)	Definition of excess nitrogen oxide emissions for purposes of reports under 40 CFR 60.7(c) is based on any one- hour period during which the average water-to-fuel ratio falls below the water-to-fuel ratio determined to demonstrate compliance by the performance test required in 60.8	BAAQMD 9-9-501, Permit Condition 12122, Part 9b, Permit Condition 18629, Part IX.G.1.a., and proposed Subpart GG Amendments: 40 CFR 60.334(j)(1)(iii).	Per proposed amendments to Subpart GG (FR 17990), the definition of excess emissions is revised for facilities that install and operate a NOx CEMS in lieu of water to fuel ratio monitoring. The revised definition is based on an operating hour in which the 4- hour rolling average NOx concentration as measured by the CEM exceeds the 60.332(a)(2) limit.

#### X. REVISION HISTORY

May 27, 2004

Reopening (Application 9296):

December 16, 2004

#### XI. GLOSSARY

ACT Federal Clean Air Act

APCO Air Pollution Control Officer

ARB Air Resources Board

**BAAQMD** Bay Area Air Quality Management District

**BACT** Best Available Control Technology

**BARCT** Best Available Retrofit Control Technology

**Basis** The underlying authority which allows the District to impose requirements.

CAA The federal Clean Air Act

**CAAQS** California Ambient Air Quality Standards

**CAPCOA** California Air Pollution Control Officers Association

**CEC** California Energy Commission

**CEQA** California Environmental Quality Act

#### CEM

A "continuous emission monitor" is a monitoring device which provides a continuous record of some parameter (e.g. NOx concentration) in an exhaust steam.

#### CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

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.

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#### 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 40 CFR Part 51, Subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

#### FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

**GRU** Gas Recovery Unit

H<sub>2</sub>S Hydrogen sulfide

 $H_2SO_4$ 

Sulfuric Acid

#### HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63

HC Hydrocarbon

Hg Mercury

**HNC** 

Heavy Neutral Hydrocracker

#### **HNHF**

Heavy Neutral Hydrofinisher

#### HHV

High Heating Value. The quantity of heat evolved as determined by a calorimeter where the 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 40 CFR Parts 61 and 63.

#### NMHC

Non-methane Hydrocarbons

#### NMOC

Non-methane Organic Compounds (Same as NMHC)

#### NOx

Oxides of nitrogen.

#### NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

#### NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

#### 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 40 CFR 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 40 CFR 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 40 CFR Part 52 and District Regulation 2, Rule 2.

#### RACT

Reasonably Available Control Technology

#### **Regulated Organic Liquid**

"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

#### SCR

A "selective catalytic reduction" unit is an abatement device which reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

#### SDA

Solvent deasphalting

#### 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:

o or means	ui ci	
bbl	=	barrels
bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
$m^2$	=	square meter
min	=	minute
mm	=	million, millimeter
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

#### XII. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1