Bay Area Air Quality Management District

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

DraftProposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

ConocoPhillips Company – San Francisco Refinery Facility #A0016

Facility Address:

1380 San Pablo Avenue Rodeo, CA 94572

Mailing Address:

1380 San Pablo Avenue Rodeo, CA 94572

Responsible Official

Facility Contact

J. Michael Kenney, RefineryGeneral ManagerValerie Uyeda, Environmental Specialist 510 245 4415 510 245 5249

Type of Facility: Petroleum refinery BAAQMD Engineering Division Contact:

Primary SIC: 2911 Julian Elliot

Product: refined petroleum products

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

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

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

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

K. Accidental Release

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

II. EQUIPMENT

Table II A - Permitted Sources

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)	1		
	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	

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
- 4	Pump Station 3 CP-198		, 258 hp	(excluding emergency
54	Emergency Engine	TT 1 1 0 '	E44ED GLIE	use)
	D G C 2 GD 100	Waukesha Scania	F647DSUF	<100 hr/yr operation
<i></i>	Pump Station 3 CP-199		, 258 hp	(excluding emergency
55	Emergency Engine	C-4:11	2406 270	use)
	Pump Station 4 G-201A	Caterpillar	3406, 370	<100 hr/yr operation (excluding emergency
56	Emergency Engine		hp	use)
50	Lineigency Englise	Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201B	Caterpinai	hp	(excluding emergency
57	Emergency Engine		l inp	use)
5,	Zmorgonej zmeme	Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-422A	- ··	hp	(excluding emergency
58	Emergency Engine		F	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
	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
101	T-104			
	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
102	T-105			

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 external	naphtha,	75 thousand bbl
		floating roof tank with	MTBE	
126	Tank 172	dome roof		
		external floating roof	crude oil,	76 thousand bbl
128	Tank 174	1.77	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

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 external	gasoline	104 thousand bbl	
		floating roof tank with			
257	Tank 1004	dome roof			
		internal external	gasoline	104 thousand bbl	
		floating roof tank with			
258	Tank 1005	dome roof			
259	Tank 1006	external floating roof	gasoline	104 thousand bbl	
		external floating roof	naphtha,	104 thousand bbl	
261	Tank 1010		distillate oil	1.5000	
20.4	Non-Retail Gasoline Dispensing	phase I / II vapor	EW A4000	15000 gal underground	
294	Facility (GDF 7609 – 1 nozzle)	recovery	CONT. C.A.	tank	
206	C-1 Flare (main refinery flare, elevated, steam-assisted,	Callidus John Zink	STF-SA-	845692 ton/hr gas	
296	serves S-304, S-305, S-306)		4 2S	handling capacity, 6.6	
200	, , ,	J-1 J1	NT A	MM BTU/hr pilot 81,00056,000 bbl/day	
300	U200 Delayed Coker	delayed coker NA	NA NA	245 long ton/day for S-	
		NA	NA	301, 302, 303 (271 long	
				ton/day after execution	
301	Molten Sulfur Pit 234			of A/C 5814)	
		NA	NA	245 long ton/day for S-	
				301, 302, 303 (271 long	
				ton/day after execution	
302	Molten Sulfur Pit 236			of A/C 5814)	
		NA	NA	245 long ton/day for S-	
				301, 302 , 303 (271 long	
303	Molten Sulfur Pit 238			ton/day after execution	
303	U229 Mid-Barrel Unionfining	NA	NA	of A/C 5814) 12198 bbl/day	
	(Light Naphtha Hydrotreater	NA	INA	12198 bbi/day	
	after modification in				
304	accordance with A/C 5814)				
301	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	
	U215 Gasoline Fractionating	NA	NA	9,6007500 bbl/day	
319	Unit				

S-#	Description	Make or Type	Model	Capacity
		NA	NA	throughput limited at
				specific tanks, process
322	U40 Raw Materials Receiving			units
		NA	NA	7,500 gpm during media
	U100_API Oil Wastewater			filter backwash and 7,000
	Separator (with outlet channel			gpm during all other
324	cover)			times
334	Tank 107	external floating roof	crude oil	180 thousand bbl
226	U231 B-104 Heater	Foster-Wheeler	process	111 MM BTU/hr
336	(natural gas, refinery fuel gas)		heater	24.1 D. F. D. T. V. II
227	U231 B-105 Heater	Foster-Wheeler	process	34 MM BTU/hr
337	(natural gas, refinery fuel gas)		heater	7500 1: 0 4
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		33000 bbl/day
350	U267 Crude Distillation Unit	towers		
	U267 B-601/602 Tower Pre-			101 MM BTU/hr
251	heaters			
351	(natural gas, refinery fuel gas)		101	2011 0 0 0 0 0 1
252	Combustion Turbine	Westinghouse	191	291MMBTU/hr
352	(natural gas, refinery fuel gas)	***	101	continuously
252	Combustion Turbine	Westinghouse	191	291MMBTU/hr
353	(natural gas, refinery fuel gas)	XX7 1	101	continuously 291MMBTU/hr
25.4	Combustion Turbine	Westinghouse	191	continuously
354	(natural gas, refinery fuel gas)	0		175 MM BTU/hr
	Supplemental Firing Duct Burners	Coen		1/3 MIMI BTU/fir
355	(natural gas, refinery fuel gas)			
333	Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners	Coen		1/3 WIWI DI O/III
356	(natural gas, refinery fuel gas)			
330	Supplemental Firing Duct	Coen		175 MM BTU/hr
	Burners	Coch		173 WIN BIONI
357	(natural gas, refinery fuel gas)			
360	Mid-Barrel Tank 223	fixed roof	distillate oil	110 thousand bbl
370	U228 Isomerization Unit		distinute on	460 bbl/hr
2,0	U228 B-520 (Adsorber Feed)	Selas	1	58 MM BTU/hr for S-
	Furnace	55140		371, 372
371	(natural gas, refinery fuel gas)			- · -, · · -
	U228 B-521 (Hydrogen Plant)	Selas		58 MM BTU/hr for S-
	Furnace			371, 372
372	(natural gas, refinery fuel gas)			,

	Description	Make or Type	Model	Capacity	
376	Tool Room Cold Cleaner	Build-All	DM-32	29 gal	
377	Machine Shop Cold Cleaner	Build-All	DM-32	29 gal	
378	Auto Shop Cold Cleaner	Snap-On	DM-226	18 gal	
380	Activated Carbon Silo (P-204)	•		50,000 lb	
381	Aeration Tank, Pact (F-201)	wastewater	100 ft dia	1.2 million gal	
382	Aeration Tank, Pact (F-202)	wastewater	100 ft dia	1.2 million gal	
383	Clarifier, F-203	wastewater	95 ft dia	0.69 million gal	
384	Clarifier (F-204)	wastewater	95 ft dia	0.69 million gal	
385	Media Filter (F-207 A-H)	wastewater		420 thousand gal/hr	
	PAC Regeneration Sludge		25 ft dia	44000 gal	
386	Thickener (F-211)				
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm	
	Sludge Pretreatment (T276,	30 ft dia by 24 ft		17.5 ton/hr	
388	F205)	12 ft dia by 24 ft			
389	Diatomaceous earth silo (F-214)			40000 lb	
	F-106 Thickened Sludge	15 ft diameter open tank		38,000 gal	
390	Storage	•			
	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	
	serves S-304, S-305, S-306)			BTU/hr 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		
420	(natural gas, refinery fuel gas,				
438	PSA offgas)	t1 flt' C	1.	161.1 1111	
420	T1- 100	external floating roof	gasoline,	161 thousand bbl	
439	Tank 109	avtamal flacting	others	16145	
440	Tank 110 (Alkylate)	external floating roof	alkylate	161 thousand bbl	
	1	external floating roof	gasoline,	161 thousand bbl	
442	Tomle 112		athan-		
442	Tank 112	external floating roof	others gasoline,	113 thousand bbl	

S-#	Description	Make or Type	Model	Capacity	
445	Tank 271 (Cracked Naphtha)	underground tank	naphtha	189 thousand bbl	
446	Tank 310 (Isopentane)	fixed roof	isopentane	41 thousand bbl	
447	Tank 311 (Isopentane)	fixed roof	isopentane	41 thousand bbl	
448	Tank 1007 (Blendstock Receiving)	internal floating roof	gasoline, others	243 thousand bbl	
449	Tank 285 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl	
450	Groundwater Extraction Trenches		ground- water remediation	3 gpm continuously	
451	Tank 695	external floating roof	naphtha, gasoline, others	81 thousand bbl	
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day	
461	U250, B-701 Heater (natural gas, refinery fuel gas)	NA	process heater	50.2 MM BTU/hr	
462	U215 Fuel Gas Caustic Treatment System	NA	NA	4.2 million scf/day of fuel gas	
463	U215 Butane Caustic Treatment System	NA	NA	1,000 bbl/day of butane	
1001	Sulfur Plant Unit 234 (including aux. burner)		Claus	245 long ton/day for S- 1001, 1002 and 1003 (271 long ton/day after execution of A/C 5814)	
1002	Sulfur Plant Unit 236 (including aux. burner, water stripper)		Claus	245 long ton/day for S- 1001, 1002 and 1003 (271 long ton/day after execution of A/C 5814)	
1003	Sulfur Plant Unit 238 (including aux. burner)		Claus	245 long ton/day for S- 1001, 1002 and 1003 (271 long ton/day after execution of A/C 5814)	
1007	U100 Dissolved Air Flotation Unit (with fixed roof)			7,500 gpm during media filter backwash and 7,000 gpm during all other times	
1008	U100 Primary Stormwater Basin			7000 gpm	
1009	U100 Main Stormwater Basin			7000 gpm	

Table II B – Abatement Devices

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

Table II B – Abatement Devices

		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

	D : #	Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters NOx, O2 CEMs	Efficiency
4	SCR System	S-43	BAAQMD	NOA, OZ CEIVIS	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	1.5110	control of
	compressors)	140, 5 102	3 300		emissions
7	Vapor Recovery System (3	S-449	BAAQMD	None	vent emissions
,	electrically driven	D-447	Condition	TNOHE	to the refinery
			11219		fuel gas system
	compressors)		11219		ruei gas system

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	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		BAAQMD	none	0.08 grain/dscf
	Cooler		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		BAAQMD	none	0.08 grain/dscf
	Cooler		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		BAAQMD	none	0.08 grain/dscf
	Cooler		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-
			21097		hr average)

Table II B – Abatement Devices

A 44	Described an	Source(s)	Applicable	Operating	Limit or
A-#	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-
			21096		hr average)

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

Table II C – Sources Exempt from Permit Requirements

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
286	Tank F3	BAAQMD 2-1-123.3.3

Table II C – Sources Exempt from Permit Requirements

S-#	Description	Basis for Exemption
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

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.

Table III
Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (8/01/01)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (5/17/00)	N
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (5/17/00)	N
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (5/2/01)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 2, Rule 9	IERCs (4/7/99)	N
BAAQMD Regulation 3	Fees (6/5/02)	N
SIP Regulation 3	Fees (5/3/84)	Y - note 1
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y - note 1
BAAQMD Regulation 5	Open Burning (11/2/94)	N
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations	Y
	(06/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	1
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y - note 1
SIP Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (7/20/83)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y – note 1
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y - note 1
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/99)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y - note 1
Notification Requirement –	Notification Requirement – Process Unit Startup and	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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

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

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

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Amplicable	Degulation Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
-		(1/14)	Date
BAAQMD Data latina 1	General Provisions and Definitions (5/02/01)		
Regulation 1			
1-301	Public Nuisance Prohibition	N	
1-107	Combination of Emissions	Y	
1-510	Area Monitoring	Y	
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-530	Area Monitoring Downtime	Y	
1-540	Area Monitoring Date Examination	Y	
1-542	Area Concentration Excesses	Y	
1-543	Record Maintenance for Two Years	Y	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-544	Monthly Summary	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-603.2	Tank degassing equipment	Y	
BAAQMD	Emulsified and Liquid Asphalts (09/16/87)		
Regulation 8, Rule 15			
	Prohibition of Manufacturer and Sale	V	
8-15-305		Y	
8-15-501	Manufacturing Records	Y	
BAAQMD	Aeration of Contaminated Soil and Removal of Underground		
Regulation 8,	Storage Tanks (12/15/01)		
Rule 40			
8-40-116	Exemption, Small Volume	Y	
8-40-205	Contaminated Soil	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-601	Contaminated Soil Sampling	Y	
8-40-604	Measurement of Organic Concentration	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-110.1	comply with monitoring, records and reporting requirements of	Y	
	1-1-510, 1-1-530, 1-1-540, 1-1-542, 1-1-543, 1-1-544		
9-1-110.2	comply with 9-1-301 ground level SO2 concentration limits	Y	
9-1-301	Limitations on Ground level Concentrations	Y	
9-1-302	General Emission Limitation (applicable if monitoring required in 9-110 fails)	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	Install a sulfur recovery plant	N	
9-1-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
9-1-604	Ground Level Monitoring	Y	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,	[only provisions which are different than current BAAQMD		
Rule 1	regulation are listed		
1.410 1	1 of anneron are noted	l	L

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-1-313.2	Operation of a sulfur removal and recovery system that removes	Y	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and		
	ammonia from process water streams		
BAAQMD	Inorganic Gaseous Pollutants- Hydrogen Sulfide (10/6/99)		
Regulation 9,			
Rule 2 9-2-301	Limitations on Ground Level Concentrations	N	
		N	
9-2-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540,	N	
0.2.601	1-542, 1-543, 1-544)	N	
9-2-601	Ground Level Monitoring	N	
BAAQMD	Asbestos Demolition, Renovation and Manufacturing (10/07/98)		
Regulation 11, Rule 2			
	Dual-il-id-d Outstand	NI	
11-2-301	Prohibited Operations Visible Emissions	N	
11-2-302	Demolition, Renovation, and Removal	N N	
11-2-303	Waste Disposal	N N	
11-2-304	Waste Disposal Sites	N N	
11-2-303	Temperature Records	N N	
11-2-501	Waste Shipment Records	N N	
11-2-502	Active Waste Disposal Records	N N	
11-2-504	Conversion Operations	N N	
NSPS	New Source Performance Standards – General Provisions	11	
40 CFR 60	(12/23/71)		
Subpart A	(12/20171)		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.12	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	

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,	Operations (4/19/89)		
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	
63.5(d)	Application for approval of construction or reconstruction	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.9	Notification requirements	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.11	Control device requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
63.15	Availability of Information & Confidentiality	Y	
NESHAP	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	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
MACT	National Emissions Standards for Hazardous Air Pollutants		
40 CFR 63	from Petroleum Refineries (8/18/95)		
Subpart CC			
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	
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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
63.642(h)	new source owner/operators shall control emissions of organic HAPs to the level represented by the equation in paragraph (g) of this section.	Y	
63.642(i)	existing source owners/operators shall demonstrate compliance with (g) by following procedures in (k) for all emission points, or by following emission averaging compliance approach in (l) for specified emission points and the procedures in (k) for all other emission points within the source.	Y	
63.642(j)	new source owner/operators shall demonstrate compliance with (h) by following procedures in (k). they may not use emission averaging compliance approach	Y	
63.642(k)	existing source owners/operators may comply, and new sources owners/operators shall comply with the wastewater provisions in 63.647 and comply with 63.654 and is exempt from (g)	Y	
63.642(1)	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	

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	Y	
	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.		
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 Sources Facility-Specific Generally Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	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	N	
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]		

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

Table IV – A.1
Source-specific Applicable Requirements
S-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)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Y	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N Y	
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.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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

$\label{eq:control_equiv} Table\ IV-A.2$ Source-specific Applicable Requirements

S-3 – Unit 230, B-201 Heater

Annliaghla	December 1:41e en	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/11)	Dute
Regulation 1	(-1)		
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is	N¥	
	unavailable for use		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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¥	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502	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.2b	Visible emission monitoring for liquid-fired sources during tube cleaning [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

 $\label{eq:control_equiv} Table\ IV-A.3$ Source-specific Applicable Requirements

S-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)		
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¥	

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

	5-4 CIVIT 251, B-101 HEATEK	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N Y	
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-	Y	
	409.2]		
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative	Y	
	Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	12/1/04
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation	N	12/1/04
	9-10-502]	•	
Part 7	NOx, CO, O2 source test requirement for sources without NOx	N	12/1/04
-	, , ,	•	1

Table IV – A.3 Source-specific Applicable Requirements S-4 – UNIT 231, B-101 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]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

Table IV – A.4 Source-specific Applicable Requirements

S-5 – UNIT 231, B-102 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)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/021/5/94)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

Table IV – A.5
Source-specific Applicable Requirements
S-7 – UNIT 231, B-103 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)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.5	Exemptions: Fired on non-gaseous fuel when natural gas is	N¥	
	unavailable for use		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube	Y	4/1/04

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	cleaning [Basis: Regulation Regulation 2-6-409.2]		
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis: Regulation Regulation 2-6-409.2]	Y	4/1/04
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S-2, S-3, S-4, S-5, S-7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	(1/14)	Date
1-520	Continuous Emission Monitoring	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250 MM BTU/hr or more	Y	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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	
6-304	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)	YN	
Manual of	Continuous Emission Monitoring Poncy and Procedures (1/20/62)	114	
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 Y	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	

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

		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	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]	N	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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.7 Source-specific Applicable Requirements

S-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)	(1/14)	Date
Regulation 1	Central Provisions and Definitions (6/2/01)		
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	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	

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

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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 1			
1-520	Continuous Emission Monitoring	¥	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

	S-11 - UNII 240, D-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	
2-1-403	Permit conditions requiring measurement of emissions	Y note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

Table IV – A.10 Source-specific Applicable Requirements S-12 – UNIT 240, B-202 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)		
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	1	
Regulation 6	Tarteculate Matter and Visible Emissions (12/17/70)		
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,			
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	409.2]		
Part F.1	Annual fuel firing limit at S-8, S-9, S-10, S-11, S-12, S-13, S-14	Y	
	[Basis: Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	12/1/04
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation	N	12/1/04
	9-10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx	N	12/1/04
	CEMs [Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-520	Continuous Emission Monitoring	¥	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	

Table IV – A.11 Source-specific Applicable Requirements S-13 – UNIT 240, B-301 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	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	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	¥	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2, Rule 1	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
2-1-403	Permit conditions requiring measurement of emissions	Y note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04

Y - note 1

IV. Source Specific Applicable Requirements

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	12/1/04
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

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 Continuous Emission Monitoring 1-520 ¥ Monitors pursuant to Regulation 2-1-403 1-520.8 ¥ 1-521 Monitoring May Be Required Y 1-522 Continuous Emission Monitoring and Recordkeeping Procedures N 1-522.4 Y reporting of inoperative CEMs 1-522.5 CEM calibration requirements Y Y 1-522.6 CEM accuracy requirements 1-522.7 emission limit exceedance reporting requirements N 1-522.8 monitoring data submittal requirements Y 1-522.9 Y recordkeeping requirements 1-522.10 Y Regulation 1-521 monitors shall meet requirements specified by District 1-602 Area and Continuous Monitoring Requirements N SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 1 General Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring and Recordkeeping Procedures Y-note 1

59

emission limit exceedance reporting requirements

Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;

1-522.7

BAAQMD

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	¥	
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	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N Y	
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¥	

Table IV – A.12 Source-specific Applicable Requirements

S-14 – UNIT 240, B-401 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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]	N	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

Table IV – A.13 Source-specific Applicable Requirements

S-15 – UNIT 244, B-501 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
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	
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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		

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
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters	(2/1/)	2 400
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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:	N	12/1/04

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/14)	Date
Regulation 1	General Hovisions and Definitions (3/2/01)		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		

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

		Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (V/N)	Effective Date
		(Y/N)	Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 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	
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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N Y	
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 Y	
9-10-504.1	Records	N Y	
9-10-505	Reporting		
7-10-303	Reporting	N¥	

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

Federally Future Applicable **Regulation Title or** Enforceable **Effective** Requirement **Description of Requirement** (Y/N)Date 9-10-601 Determination of NOx NY9-10-602 Determination of CO and Stack Gas O2 NY9-10-603 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 Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Y Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-Part A.5 Y 409.2] **BAAOMD** 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: N 12/1/04 **Regulation 9-10-301, 305** O2 CEM requirement [Basis: Regulation 9-10-502] Part 2 N 12/1/04 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 12/1/04 **Regulation 9-10-502**] CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] Part 9 N 12/1/04 Part 10 Recordkeeping requirement [Basis: Regulation 9-10-504] N 12/1/04

Table IV – A.15 Source-specific Applicable Requirements

S-17 – UNIT 244, B-503 HEATER

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 [adopted 11/01/89])		
Rule 1	, Company		
2-1-403	Permit conditions requiring measurement of emissions	Y note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6	(
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of	g - 0.00, mm - 1000mm os (1/20/02)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis:	N	12/1/04

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	— Monitors pursuant to Regulation 2 1 403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 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	
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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
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¥	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Throughput limits for S-15, S-16, S-17, S-18 and S-19 [Basis: 2-1-234.3]	Y	
20989, Part A BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/14)	Date
Regulation 1	General Frovisions and Demintions (3/2/01)		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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	N	
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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis:	N	12/1/04

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

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 Y Ringelmann #1 Limitation 6-305 Visible Particles Y 6-310.3 Y Particulate Weight Limitation **BAAQMD** Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Boilers, Steam Generators, and Process Heaters Regulation 9, 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 N¥ ...Start-up/Shutdown Contribution 9-10-301.2 ...Out-of-Service Units Contribution NY9-10-301.3 ...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

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Applicable	Regulation Title or	Federally Enforceable	Future Effective
9-10-502.1	Description of Requirement	(Y/N)	Date
	CEMS for NOx, CO, and O2, or equivalent monitoring	N Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N Y	
9-10-504.1	Records	N Y	
9-10-505	Reporting	N Y	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N Y	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694 D. (A.1)	H. C. C. II. C. ID. C. D. L. C. A.	N	
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-20 [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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation	N	12/1/04
	9-10-502]		

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

Federally Future Applicable **Regulation Title or** Enforceable **Effective** Requirement **Description of Requirement** (Y/N) Date CEMs [Basis: Regulation 9-10-502] CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] Part 9 12/1/04 N Part 10 Recordkeeping requirement [Basis: Regulation 9-10-504] 12/1/04 N

Table IV – A.19 Source-specific Applicable Requirements

S-21 – UNIT 244, B-507 HEATER

	5-21 - UNIT 277, D-307 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 (7/17/02)		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMBTU/hr and	Y	
	capable of firing fuel other than natural gas or LPG		
9-10-217	Definition: Small Unit: Between 1 and 10 MMBTU/hr and capable of	Y	
	firing fuel other than natural gas or LPG		
9-10-306	Small Unit 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	
9-10-505.1	-Excess Emission Reporting	¥	
9-10-505.2.2	Excess Emission Report Contents	¥	

Table IV – A.19 Source-specific Applicable Requirements S-21 – UNIT 244, B-507 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-21 [Basis: 2-1-234.3]	Y	
Condition 20989, Part A			

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

Federally Future **Applicable** Regulation Title or Enforceable **Effective Description of Requirement** Requirement (Y/N)Date BAAQMD General Provisions and Definitions (5/2/01) Regulation 1 1-521 Monitoring May Be Required Y Particulate Matter and Visible Emissions (12/19/90) BAAQMD 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 NY9-10-301.1 ...Start-up/Shutdown Contribution N¥ 9-10-301.2 ..Out-of-Service Units Contribution NY

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N Y	
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 Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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-22 [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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

Table IV – A.21 Source-specific Applicable Requirements

S-29 – UNIT 200, B-5 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (5/2/01)	(1/14)	Date
Regulation 1	Central 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¥	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-502.2	Fuel flowmeters	Y	Date
9-10-504	Recordkeeping	N Y	
9-10-504.1	Records	N Y	
9-10-304.1	Reporting	N Y	
9-10-505	Determination of NOx	N Y	
9-10-602	Determination of NOX Determination of CO and Stack Gas O2	N Y	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition	Throughput limits for S-29 [Basis: 2-1-234.3]	Y	
20989, Part A BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04

Table IV – A.21 Source-specific Applicable Requirements S-29 – UNIT 200, B-5 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]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

Table IV – A.22 Source-specific Applicable Requirements

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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-30 [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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD Bagulatian 1	General Provisions and Definitions (5/2/01)		
Regulation 1	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	1	
Regulation 6	1 at ticulate Watter and Visible Emissions (12/15/50)		
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,			
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	

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

Amplicable	Regulation Title or	Federally Enforceable	Future Effective
Applicable Requirement	Description of Requirement	(Y/N)	Date
requirement	409.2]	(1/1/)	Dutt
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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	12/1/04
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation	N	12/1/04
	9-10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx	N	12/1/04
	CEMs [Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

	5-50 Civil 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
Regulation 1			
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	N	startup date

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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	N	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	N	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
Regulation 1	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	N	startup date
2-1-501	Monitors shall comply with Volume V of the Manual of	Y	startup date
	Procedures		
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
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			

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	startup date
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 monitors as required by 60.105(a)(3))	Y	startup date
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 40 CFR 60 Appendix A	Appendix A to Part 60 – Test Methods	Y	startup date
NSPS 40 CFR 60 Appendix B	Performance Specifications		startup date
Performance Specification 7	H2S continuous emission monitoring systems	Y	startup date
BAAQMD Condition 21097			startup date
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 Management]	Y, except for ammonia limit (Toxic Management	after initial performance test

	1	E. I. II	E 4
A 12 1.1 .	D 1.45 - 754	Federally	Future
Applicable	Regulation Title or Description of Requirement	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
)	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative	Y	startup date
	Increase]		
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative	Y	startup date
	Increase]		
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative	Y	startup date
	Increase]		
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative	Y	startup date
	Increase, SO2 bubble]		
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase,	Y	startup date
	SO2 Bubble		
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase,	Y	startup date
	SO2 Bubble		•
Part 8	Initial source test requirement [Basis: BACT, Cumulative	Y, except for	90 days after
	Increase, Toxic Management	ammonia	startup
	Therease, Toxic Management	limit (Toxic	startup
		1	
		Management	
D (0	The state of the s)	00.1
Part 9	Initial source test procedures TRS reporting requirements	Y, except for	90 days after
	[Basis: 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:	Y	startup date
	BACT		•
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis:	Y	startup date
	BACT		surrup unic
Dont 5		Y	stantum data
Part 5	Monitoring and repair program requirement [Basis: BACT]	+	startup date
Part 6	ULSD project component count report requirement [Basis:	Y	startup date
	BACT, 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.2524 Source-specific Applicable Requirements

S-43 – UNIT 200, B-202 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		Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
	Monitoring May Be Required		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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	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			

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y N	
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 Y	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N Y	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	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			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
Procedure 1	QA requirements for gas continuous emission monitoring systems	¥	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
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	Y	
	Increase]		
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,	Y	
	Cumulative Increase		

Table IV – A.2524 Source-specific Applicable Requirements S-43 – UNIT 200, B-202 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD 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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.9	recordkeeping requirements	Y	Date
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
1 322.10	District	1	
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	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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y N	
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 Y	
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¥	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Procedure 1	—QA requirements for gas continuous emission monitoring systems	¥	
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 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,	Y	
	Cumulative Increase]		
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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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.2726 Source-specific Applicable Requirements S-50, S-51, S-52 – TURBINE STARTUP ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	(1/11)	Dutt
Regulation 6	The reduction of the state of t		
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9,	Internal Combustion Engines (8/1/01)		
Rule 8			
9-8-111.1	Exemptions: Engines rated at or below 1000 brake horsepower which	Y	
	operate less than 200 hours in any 12-consecutive month period are		
	only subject to recordkeeping		
9-8-502	Recordkeeping	Y	
BAAQMD			
Condition			
19488			
Part 1	100 hr/yr operating limit per engine [Basis: Cumulative increase]	Y	
Part 2	Operating hour records [Basis: Regulation 9-8-502]	Y	

Table IV – A.2827 Source-specific Applicable Requirements

S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

Table IV – A.2827 Source-specific Applicable Requirements

S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

	EMERGENCI D			
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
6-401	Appearance of Emissions	Y		
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions			
Regulation 9,	Limitations (3/15/95)			
Rule 1				
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y		
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary			
Regulation 9,	Internal Combustion Engines (8/1/01)			
Rule 8				
9-8-330	Emergency Standby Engines, Hours of Operation	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:	Y		
	Regulation 9-8-330]			
Part 6	Monitoring [Basis: Regulation 9-8-530]	Y		
Part 7	Operating hour records [Basis: Regulation 9-8-530]	Y		

		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		

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	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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			
BAAQMD			

Table IV – A.2928 Source-specific Applicable Requirements S-336 – UNIT 231, B-104 HEATER

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-	Y	
	409.2]		
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:	N	12/1/04
	Regulation 9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	12/1/04
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation	N	12/1/04
	9-10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx	N	12/1/04
	CEMs [Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

Table IV – A.3029 Source-specific Applicable Requirements S-337 – UNIT 231, B-105 HEATER

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		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)	1	
Regulation 6	Tarteulate Matter and Visible Emissions (12/17/70)		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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))		

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	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-337 [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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	12/1/04
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	12/1/04
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	12/1/04
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04

Table IV – A.3029 Source-specific Applicable Requirements S-337 – UNIT 231, B-105 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

^{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.3130 Source-specific Applicable Requirements S-351 – UNIT 267, B-601/602 HEATERS

	5-551 CMI 207, B-001/002 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	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			

Table IV – A.3130 Source-specific Applicable Requirements S-351 – UNIT 267, B-601/602 HEATERS

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
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	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		

Table IV – A.3130 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
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			
NSPS	Quality Assurance Procedures		
4 0 CFR 60			
Appendix F			
Procedure 1	—QA requirements for gas continuous emission monitoring systems	¥	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	

Table IV – A.3130 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
requirement	409.2]	(2/11)	Dute
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	Throughput limits for source S-351 [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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	

	S-3/1 – UNIT 228, B-520 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	¥	
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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		

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	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N¥	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N¥	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N¥	
9-10-504.1	Records	N¥	
9-10-505	Reporting	N¥	
9-10-601	Determination of NOx	N¥	
9-10-602	Determination of CO and Stack Gas O2	N¥	
9-10-603	Compliance Determination	Y	
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		

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
NSPS	Quality Assurance Procedures		
4 0 CFR 60			
Appendix F			
Procedure 1	—QA requirements for gas continuous emission monitoring systems	¥	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	N	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S-371, S-372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S-371, S-372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S-371, S-372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04

Table IV – A.3231 Source-specific Applicable Requirements S-371 – UNIT 228, B-520 FURNACE

		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]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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.3332 Source-specific Applicable Requirements

S-372 – Unit 228, B-521 Furnace

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	¥	
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01;		
Regulation 2,	SIP approved 1/26/99 (adopted 11/01/89))		

Table IV – A.3332 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
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	¥	
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	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N¥	
9-10-301.1	Start-up/Shutdown Contribution	N¥	
9-10-301.2	Out-of-Service Units Contribution	N¥	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N¥	
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	

Table IV – A.3332 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
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Appendix A	Appendix A to Part 60 – Test Methods	Y	
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
NSPS 40 CFR 60 Appendix F	Quality Assurance Procedures		
Procedure 1	—QA requirements for gas continuous emission monitoring systems	¥	
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	

Table IV – A.3332 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
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-372 [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	12/1/04
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	12/1/04
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	12/1/04
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	12/1/04
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	12/1/04

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.3433 Source-specific Applicable Requirements S-438 – Unit 110, H-1 Furnace

Federally **Future Applicable** Regulation Title or Enforceable **Effective** Requirement **Description of Requirement** (Y/N) Date BAAQMD General Provisions and Definitions (5/2/01) Regulation 1 1-520 **Continuous Emission Monitoring** ¥

Table IV – A.3433 Source-specific Applicable Requirements S-438 – Unit 110, H-1 Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-520.8	- Monitors pursuant to Regulation 2-1-403	¥	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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,	Regulation 2, Rule 1 - Permits, General Requirements (5/2/01; SIP approved 1/26/99 [adopted 11/01/89])		
Rule 1	are approved allows (adopted accounts))		
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	¥	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
2-1-403	Permit conditions requiring measurement of emissions	Y note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6	, , ,		
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	YN	
Manual of	, , ,		
Procedures,			
Volume V			

Table IV – A.3433 Source-specific Applicable Requirements S-438 – Unit 110, H-1 Furnace

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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			
NSPS	Quality Assurance Procedures		
4 0 CFR 60			
Appendix F			
Procedure 1	—QA requirements for gas continuous emission monitoring systems	¥	
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	

Table IV – A.3433 Source-specific Applicable Requirements S-438 – Unit 110, H-1 Furnace

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

		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
Regulation 1			
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	N	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	N	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	Y	startup date
	District		

	S-401 – UNIT 250, B-701 HEATER		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-602	Area and Continuous Monitoring Requirements	N	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
Regulation 1	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	N	startup date
2-1-501	Monitors shall comply with Volume V of the Manual of	Y	startup date
	Procedures		
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
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	Y	startup date
	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		
60.105	Monitoring of Emissions and Operations	Y	startup date

	5-401 - UNII 250, D-701 HEATEK		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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
			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	Y	startup date
	Increase	_	
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative	Y	startup date
I are oa	Increase]		startup uatt
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative	Y	startup date
1 411 50	Increase	1	startup uate
Dout 6	1	*7	atoutus dati
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative	Y	startup date

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Increase, SO2 bubble]		
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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	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 sumps are considered part of an individual drain system	Y	
	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	Wastewater sumps in the wastewater process sewer line shall not be	Y	
(c)(1)	open to the atmosphere and shall be covered or enclosed in a manner		
	with no visible gaps or cracks in joints, seals.		
60.692-2	The portion of each unburied wastewater sump in the wastewater	Y	
(c)(2)	process sewer line shall be visually inspected 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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
•	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		
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]		
BAAQMD	Throughput limits for sources S-400, S-401 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	which meets the following specifications:		
60.692-3	The fixed roof shall completely cover the separator tank, slop oil	Y	
(a)(1)	tank, storage vessel or other auxiliary equipment.		
60.692-3	The vapor space under a fixed roof shall not be purged unless the	Y	
(a)(2)	vapor is directed to a control device.		
60.692-3	Roof access doors or openings shall be gasketed, latched, and kept	Y	
(a)(3)	closed during operation, except during inspection and maintenance.		
60.692-3	Roof seals, access doors, and other openings shall be checked by	Y	
(a)(4)	visual inspection initially and semiannually thereafter.		
60.692-3	When a broken seal or gasket or other problem is identified repairs	Y	
(a)(5)	shall be attempted as soon as practicable, but no later than 15 days		
	later.		
60.692-3 (e)	Slop oil from an oil-water separator and oily wastewater from slop oil	Y	
	handling equipment shall be collected, stored, transported, recycled,		
	reused, or disposed of in an enclosed system.		
60.692-6(a)	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 refinery	Y	
	or process unit shutdown.		
60.693-2	Alternative standards for oil water separators.	¥	
60.693-2(a)	An owner or operator may elect to construct and operate a floating	¥	
	roof on an oil-water separator subject to Subpart QQQ.		
60.693	Each opening in the roof shall be equipped with a gasketed cover,	¥	
2(a)(2)	seal, or lid, which shall be maintained in a closed position at all times,		
	except during inspection and maintenance.		
60.693-	Access doors and other openings shall be visually inspected	¥	
2(a)(5)(i)	semiannually to ensure that there is a tight fit around the edges and to		
	identify other problems that could result in VOC emissions.		
60.693-	When a broken seal or gasket on an access door or other opening is	¥	
2(a)(5)(ii)	identified, it shall be repaired as soon as practicable, but not later than		
	30 calendar days after discovery, except as provided in 60.692-6.		
60.693-2(c)	For portions of the oil-water separator where it is infeasible to	¥	
	construct and operate a floating roof, a fixed roof meeting the		
	requirements of 60.692 3(a) shall be installed.		
60.693-2(d)	Except as provided in 60.693-2(c), if an owner or operator elects to	¥	
	comply with the alternative standards of 60.693-2, then the owner or		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	operator does not need to comply with the provisions of 60.692-3 or		
	60.694 applicable to the same facilities.		
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
	provisions of Subpart QQQ.		
60.697(c)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-3(a) when a problem is identified that could result		
	in VOC emissions.		
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process	Y	
	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 inspection 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		
BAAQMD			
Condition			
1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	No detectable VOC from doors, hatches, covers or other openings	Y	
	[Basis: Cumulative Increase]		
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for source S-324 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater (Oil-Water) Separator	N	
Regulation 8,			
Rule 8			
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit	Y	
	flocculation sump, basin, chamber or tank with a maximum		
	allowable capacity greater than 400 gals/min unless is equipped with		
	one of the following:		
8-8-307.1	a solid, gasketed, fixed cover totally enclosing the vessel liquid	Y	
	contents, with all cover openings closed, except for inspection,		
	maintenance, or wastewater sampling. The cover may include an		
	atmospheric vent or a pressure/vacuum valve. Also includes gap		
	inspection frequency and limits.		
8-8-503	Maintain records for semiannual gap inspections, closure	Y	
	requirements, and repairs for oil-water separator effluent channel		
	fixed roof seals, access doors, and other openings.		
BAAQMD			
Condition			
1440			
Part 4b	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for S-1007 [Basis: 2-1-234.3]	Y	

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

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

Table IV - E Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS

S-381 AERATION TANK F-201 S-382 AERATION TANK F-202 S-383 CLARIFIER F-203 S-384 CLARIFIER F-204

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

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)	N	

Table IV - F Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS

S-1008 PRIMARY STORMWATER BASIN S-1009 MAIN STORMWATER BASIN

	S-100) MAIN STORMWATER DASIN		_
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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]		
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			
A			

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	

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 Semiannual VOC monitoring and records [Basis: Cumulative Y Part 5 Y **BAAQMD** Throughput limits for sources S-385, S-386, S-387, S-390, S-392 Condition [Basis: 2-1-234.3] 20989, Part

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

Federally **Future** Applicable Regulation Title or Enforceable Effective Requirement Date **Description of Requirement** (Y/N)**BAAQMD** Wastewater (Oil-Water) Separator (6/15/94) N Regulation 8, Rule 8 8-8-308 Y 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. **NSPS** Standards of Performance for VOC Emissions from Petroleum N 40 CFR 60 **Refinery Wastewater Systems** [APPLIES ONLY TO J-BOXES DOWNSTREAM OF S-400, S-**Subpart** QQQ 401 SUMPS Applicability: Subpart QQQ applies to affected facilities Y 60.690(a)(1) constructed, modified, or reconstructed after May 4, 1987 60.690(a)(2) Wastewater junction boxes are considered part of an individual drain Y system which is a separate affected facility 60.692-1(a) The provisions of Subpart QQQ apply except during periods of Y

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	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	Junction boxes shall be equipped with a cover and may have an open	Y	
(b)(1)	vent pipe which is at least 3 feet in length and does not exceed 4		
	inches in diameter.		
60.692-2	Junction box covers shall have a tight seal around the edge and shall	Y	
(b)(2)	be kept in place at all times, except during inspection and maintenance.		
60.692-2	Junction box shall be visually inspected semiannually to ensure that	Y	
(b)(3)	the cover is in place and to ensure that the cover has a tight seal		
	around the edge.		
60.692-2	If a broken seal or gap is identified, first effort at repair shall be ade	Y	
(b)(4)	as soon as practicable, but not later than 15 calendar days after the		
	broken seal or gap is identified, except as provided in 60.692-6.		
60.692-2 (e)	Refinery wastewater routed through new process drains and a new	Y	
	first common downstream junction box, shall not be routed through		
	a downstream catch basin.		
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)(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.		

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

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

Table IV – I
Source-specific Applicable Requirements
WASTEWATER 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 constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater process sewer lines are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (c)(1)	Sewer lines shall not be open to the atmosphere and shall be covered or enclosed in a manner with no visible gaps or cracks in joints,	Y	

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

	UNLY		.
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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.		
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	
(0)(1)	the required inspections have been carried out in accordance with	-	
	Subpart QQQ standards.		
60 698(c)		Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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 - 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	Y	
	shall have a vapor tight cover, seal, or lid that is closed, except for		
	inspection, maintenance, or wastewater sampling.		
8-8-603	Vapor tight inspections shall be conducted using a portable gas	Y	
	detector as prescribed in EPA Reference Method 21 (40 CFR 60,		
	Appendix A).		

Table IV - K Source-specific Applicable Requirements

S-294 – NON-RETAIL GASOLINE DISPENSING FACILITY

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Regulation 8,	Organic Compounds - Gasoline Dispensing Facilities (11/6/02)		
Rule 7			
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	

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

Applicable Requirement Requirement Enforceable (Y/N) Effective (Y/N) 8-7-301.3 Submerged Fill Pipes Y 8-7-301.5 Maintenance of Phase I Equipment per Manufacturers Guidelines or CARB Executive Order Y 8-7-301.6 Leak-Free, Vapor-Tight Y 8-7-301.7 Poppetted Drybreaks Y 8-7-301.8 No Coaxial Phase I 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 8-7-301.2 Phase II Requirements Y 8-7-30.2 Phase II Requirements Y 8-7-30.2.1 Requirement for CARB Certified Phase II System Y 8-7-30.2.2 Maintenance of Phase II System per CARB Requirements Y 8-7-30.2.3 Maintenance of Flase II System per CARB Requirements Y 8-7-30.2.4 Repair of Defective Parts Within 7 Days Y 8-7-30.2.6 Insertion Interlocks </th <th></th> <th></th> <th>Federally</th> <th>Future</th>			Federally	Future
8-7-301.3 Submerged Fill Pipes 8-7-301.5 Maintenance of Phase I Equipment per Manufacturers	Applicable	Regulation Title or	Enforceable	Effective
8-7-301.5 Maintenance of Phase I Equipment per Manufacturers Y 8-7-301.6 Leak-Free, Vapor-Tight Y 8-7-301.7 Poppetted Drybreaks Y 8-7-301.8 No Coaxial Phase I 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 8-7-302.1 Requirement for CARB Certified Phase II System Y 8-7-302.2 Maintenance of Phase II System per CARB Requirements Y 8-7-302.2 Maintenance of Phase II System per CARB Requirements Y 8-7-302.2 Maintenance of Plase II System per CARB Requirements Y 8-7-302.2 Maintenance of Plase II System per CARB Requirements 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				Date
Serial Content				
8-7-301.6 Leak-Free, Vapor-Tight Y 8-7-301.7 Poppetted Drybreaks Y 8-7-301.8 No Coaxial Phase I 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 8-7-301.2 Phase II Requirements Y 8-7-30.2 Phase II Requirements Y 8-7-30.2.1 Requirement for CARB Certified Phase II System Y 8-7-30.2.2 Maintenance of Phase II System per CARB Requirements Y 8-7-30.2.3 Maintenance of All Equipment as Specified by Manufacturer Y 8-7-30.2.4 Repair of Defective Parts Within 7 Days Y 8-7-30.2.5 Leak-Free, Vapor-Tight Y 8-7-30.2.6 Insertion Interlocks Y 8-7-30.2.7 Built-In Vapor Check Valve Y 8-7-30.2.9 Coaxial Hose	8-7-301.5		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 Lesting Y 8-7-301.13 Annual Phase I Lesting 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 8-7-302.2 Maintenance of All Equipment as Specified by Manufacturer Y 8-7-302.4 Repair of Defective Parts Within 7 Days Y 8-7-302.4 Repair of Defective Parts Within 7 Days 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 Coa				
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 8-7-301.3 Annual Phase I Lesting 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 8-7-302.1 Galvanized Piping or Flexible Tubing Y 8-7-302.13 Spitting Limit				
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 8-7-302.14 Annual balance Phase II backpressure tes	8-7-301.7			
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 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit Y 8-	8-7-301.8	No Coaxial Phase 1 Systems on New and Modified Tanks	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 8-7-302.13 Spitting Limit Y 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-308 </td <td>8-7-301.9</td> <td>CARB-Certified Anti-Rotational Coupler or Swivel Adapter</td> <td>Y</td> <td></td>	8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	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 8-7-302.4 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 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y <	8-7-301.10	System Vapor Recovery Rate	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 8-7-302.4 Repair of Defective Parts Within 7 Days Y 8-7-302.5 Leak-Free, Vapor-Tight Y 8-7-302.6 Insertion Interlocks Y 8-7-302.0 Insertion Interlocks Y 8-7-302.0 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 8-7-302.10 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 N 8-7-303 Topping Off Y	8-7-301.11	CARB-Certified Spill Box	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 8-7-302.0 Built-In Vapor Check Valve Y 8-7-302.1 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 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-307 Posting of Operating Instructions Y	8-7-301.12	Drain Valve Permanently Plugged	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 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y <tr< td=""><td>8-7-301.13</td><td>Annual Phase I testing</td><td>Y</td><td></td></tr<>	8-7-301.13	Annual Phase I testing	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 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302	Phase II 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 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.4 Repair of Defective Parts Within 7 Days Y 8-7-302.5 Leak-Free, Vapor-Tight Y 8-7-302.6 Insertion Interlocks Y 8-7-302.7 Built-In Vapor Check Valve Y 8-7-302.8 Minimum Liquid Removal Rate Y 8-7-302.9 Coaxial Hose Y 8-7-302.10 Galvanized Piping or Flexible Tubing Y 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.5 Leak-Free, Vapor-Tight Y 8-7-302.6 Insertion Interlocks Y 8-7-302.7 Built-In Vapor Check Valve Y 8-7-302.8 Minimum Liquid Removal Rate Y 8-7-302.9 Coaxial Hose Y 8-7-302.10 Galvanized Piping or Flexible Tubing Y 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.6 Insertion Interlocks Y 8-7-302.7 Built-In Vapor Check Valve Y 8-7-302.8 Minimum Liquid Removal Rate Y 8-7-302.9 Coaxial Hose Y 8-7-302.10 Galvanized Piping or Flexible Tubing Y 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.7 Built-In Vapor Check Valve Y 8-7-302.8 Minimum Liquid Removal Rate Y 8-7-302.9 Coaxial Hose Y 8-7-302.10 Galvanized Piping or Flexible Tubing Y 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.8 Minimum Liquid Removal Rate Y 8-7-302.9 Coaxial Hose Y 8-7-302.10 Galvanized Piping or Flexible Tubing Y 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.6	Insertion Interlocks	Y	
8-7-302.9 Coaxial Hose Y 8-7-302.10 Galvanized Piping or Flexible Tubing Y 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.10 Galvanized Piping or Flexible Tubing 8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.12 Liquid Retainment Limit Y 8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.9	Coaxial Hose	Y	
8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.13 Spitting Limit YN 8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y	8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.14 Annual balance Phase II backpressure test Y 8-7-302.15 Annual vacuum assist Phase II test N 8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y		-		
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8-7-303 Topping Off Y 8-7-304 Certification Requirements Y 8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y		_		
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8-7-306 Prohibition of Use Y 8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y				
8-7-307 Posting of Operating Instructions Y 8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y		-		
8-7-308 Operating Practices Y 8-7-309 Contingent Vapor Recovery Requirements Y				
8-7-309 Contingent Vapor Recovery Requirements Y				

Table IV - K
Source-specific Applicable Requirements

S-294 – Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD	Gasoline throughput shall not exceed 400,000 gallons in any	N	
Condition 7523	consecutive 12-month period. [Basis: Toxic Risk Policy]		
BAAQMD Condition 20989, Part	Throughput limits for S-294 [Basis: 2-1-234.3]	Y	
<u>A</u>			
BAAQMD			
Condition 186807523			
Part 1	Operation and maintenance standards for vapor recovery system (CARB Executive Order VR-101)	N	
Part 2	36-month testing requirement	N	
	100		

Table IV - L Source-specific Applicable Requirements

S-296 – C-1 FLARE S-398 – MP-30 FLARE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			

$\begin{tabular}{l} Table~IV-L\\ Source-specific Applicable Requirements\\ S-296-C-1~FLARE \end{tabular}$

S-398 – MP-30 FLARE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	N	
12-11-402	Flow Verification Report	N	6/4/04
12-11-501	Vent Gas Flow Monitoring	N	12/4/04
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	03/4/04
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	12/4/03
NSPS	New Source Performance Standards – General Provisions		
40 CFR 60	(12/23/71)		
Subpart A	[S-398 ONLY]		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumstances	Y	
60.13	Monitoring requirements	Y	

Table IV - L Source-specific Applicable Requirements S-296 - C-1 FLARE

S-398 – MP-30 FLARE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60	[S-398 ONLY]		
Subpart J			
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit	Y	
BAAQMD			
Condition			
18255			
Part 1	Inspection of flare after venting [basis: Regulation 2-6-409.2]	¥	6/1/04
Part 2	Exemption for Process Upset Gases	¥	
Part 3	Recordkeeping [basis: Regulation 2-6-401]	¥	6/1/04
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	Y	12/1/04
	8-1-110.3, 2-6-409.2, 2-6-501]		
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 - M Source-specific Applicable Requirements

S-300 – U-200 DELAYED COKER

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

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

	S-300 - U-200 DELAYED COKER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Process Vessel Depressurization (7/20/83)	(1/11)	Date
Regulation 8,	Organic Compound - Process Vesser Depressurization (7/20/03)		
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
0-10-301	through a knock-out pot and then abated in one of the following	1	
	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			
476			
Part A.1-A.5	Definitions [Basis: Definitions]	¥	
Part B.1	Raw material throughput limits [Basis: Cumulative Increase]	¥	
Part C.1	Recordkeeping requirements [Basis: BACT, Cumulative Increase]	¥	
Part C.2.a	Reporting requirement [Basis: BACT, Cumulative Increase]	¥	
Part D.1	Verification of compliance with records [BACT, Cumulative	¥	
	Increase]		
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			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	completion of A/C 5814 modificatio ns
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	completion of A/C 5814 modificatio ns
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	completion of A/C 5814 modificatio ns
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	completion of A/C 5814 modificatio ns
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	completion of A/C 5814 modificatio ns
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	completion of A/C 5814 modificatio ns

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

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 (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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
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	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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	[Basis: Regulation 8-2-301]		
Part 2	Efficiency requirement for A-50 scrubber raw material throughput [Basis: Regulation 8-2-301]	Y	
Part 3	Requirement to treat A-50 blowdown at wastewater treatment plant [Basis: Cumulative Increase]	Y	
Part 4	Daily A-50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
Part 6	Annual source test requirement [Basis: Regulation 2-6-409.2]		
BAAQMD Condition 20620	APPLICABLEES TO S-307 AND S-308 ONLY		
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	10/11/04
Part 2	Submittal requirement for Operation, Maintenance, and Monitoring Startup, Shutdown, and Malfunction 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/mo

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition	437 (S-304 only until modified in accordance with A/C 5814)		
20989, Part	[Basis: 2-1-234.3]		
A			
BAAQMD	Throughput limits for S-308, S-309, S-318, S-319 [Basis: 2-1-	N	
Condition	234.3]		
20989, Part			
A			

Table IV - O Source-specific Applicable Requirements

S-350 – U-267 CRUDE DISTILLATION UNIT

		Federally	Future
Applicable	Regulation Title or	Enforceable	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 (7/20/83)		
Regulation 8,			

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

	S-350 – U-267 CRUDE DISTILLATION UNI	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 10	Description of Requirement	(1/11)	Date
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
0-10-301	through a knock-out pot and then abated in one of the following	1	
	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	
8-10-301.1	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			
383			
Part 1a	Sulfur content limit in crude [Basis: Cumulative Increase]	Y	
Part 1b	Daily Cerude analysis requirement [Basis: Cumulative Increase]	Y	4/1/04
Part 2	Daily, average daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Monthly recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative	Y	4/1/04
	Increase]		
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	modificatio
			n date
Part 2	Light hydrocarbon flange/connector requirements [Basis:	Y	modificatio
	BACT]	-	n date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	modificatio
i ai t o	Centerrugar compressor requirements [Dasis, DAC1]		
Dout 4	Light hydrogophon contrifued never resistance to ID	3 7	n date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis:	Y	modificatio

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	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	
Part 2	Vent collection requirement for relief valves [Basis: Cumulative	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Increase]		
Part 3	Pump, compressor design requirements [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for S-432 [Basis: 2-1-234.3]	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	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	N	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y N	
Manual of	(1/20/82)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary		
Regulation 9,	Gas Turbines (9/21/94)		
Rule 9			
9-9-113	Exemption - Inspection/Maintenance	Y	
9-9-114	Exemption - Startup/Shutdown	Y	
9-9-301	Emission Limits – General	Y	
9-9-301.3	Emission Limits	Y	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	
9-9-600	Manual of Procedures	Y	
9-9-601	NOx emissions: Manual of Procedures, Vol. IV, ST-13A or B	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60 Subpart GG	Standards of Performance for Stationary Gas Turbines (1/27/82)		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMBTU/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – Q.1 Source-specific Applicable Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part	total sulfur concentration in each fuel gas sample	Y	

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

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

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

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			
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

	5-537 — SUITLEMENTAL DUCT BURNERS FO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (8/1/01)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions-measurement of emissions	N	
2-1-501	Monitors	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions-measurement of emissions	Y-note 1	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	YN	
Manual of	(1/20/82)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

	S-557 – SUPPLEMENTAL DUCT BURNERS FO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 10	in Petroleum Refineries (7/17/02)	(1/11)	Date
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
NSPS	Standards of Performance for Industrial-Commercial-	1	
40 CFR 60			
Subpart Db	Institutional Steam Generating Units (3/13/00)		
	A multi-skiller	V	
60.40b(a)	Applicability	Y	
60.40b(c)	Affected facilities subject to Subpart J are subject to PM and NOx	Y	
50, 401, (2)	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		
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	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – Supplemental Duct Burners for S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 40 CFR 60 Subpart J	Standards of Performance for Petroleum Refineries (10/2/90)		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion	Y	

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – Supplemental Duct Burners for S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable	Future Effective Date
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	(Y/N) Y	Date
60.106(a)	Test methods and procedures	Y	
	•		
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
BAAQMD Condition			
12122			
		37	
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative	Y	
-	Increase		
Part 2	Restriction on duct burner operation to times when associated	Y	
	turbine is also operated [Basis: BACT, Cumulative Increase]		
Part 3	Abatement requirement for S-352 and S-355 at A-13 [Basis:	Y	
	BACT, Cumulative Increase]		
Part 4	Abatement requirement for S-353 and S-356 at A-14 [Basis:	Y	
	BACT, Cumulative Increase]		
Part 5	Abatement requirement for S-354 and S-357 at A-15 [Basis:	Y	
	BACT, Cumulative Increase]		
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative	Y	
	Increase]		
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative	Y	
	Increase]		
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT,	Y	
	Cumulative Increase]		
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	Y	
- 411 11	Increase]		
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	
- 321 20	measurements [Basis: Cumulative Increase]	1	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	4/1/04
141117	1 minut 1 00 source test [Busis, Regulation 2-0-407.2]	1	-7/ 1/ UT

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	Date
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified	1	
Condition	5/26/89. The basis for each section is PSD.		
18629	5/20/69. The basis for each section is 13D.		
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	
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)			

Table IV – Q.2 Source-specific Applicable Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part	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 - R
Source-specific Applicable Requirements
S-376 - TOOL ROOM COLD CLEANER

S-377 – MACHINE SHOP COLD CLEANER

S-378 – AUTO SHOP COLD CLEANER

	D. A. C. C.	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds – Solvent Cleaning Operations (10/16/02)		
Regulation 8,			
Rule 16			
8-16-201	Definitions	Y	
8-16-303	Cold Cleaner Requirements	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	

Table IV - R Source-specific Applicable Requirements

S-376 - TOOL ROOM COLD CLEANER S-377 - MACHINE SHOP COLD CLEANER S-378 - AUTO SHOP COLD CLEANER

A . P H.	Dec Leter Title	Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
8-16-303.1.4	Waste Solvent Disposal	Y	Date
8-16-	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
303.1.4(a)	Covered Containers for waste porvent // waiting rick-up	1	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be	N	
	Removed		
8-16-303.1.6	Solvent Spray Requirements	N	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	N	
8-16-303.3	Cold Cleaner General Equipment Requirements	N	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	N	
8-16-303.3.3	Used Solvent Returned to Container	N	
8-16-303.3.4	Label Stating Operating Requirements	N	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance Cleaning	N	
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely methylated siloxane (VMS)	N	
8-16-501	Solvent Records	N	
8-16-501.2	Facility-wide Annual Solvent Usage Records	N	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe	N	
	Cleaning		
8-16-501.5	Records Retained for Previous 24 Month Period	N	
SIP	Organic Compounds – Solvent Cleaning Operations (6/15/94)		
Regulation 8, Rule 16			
8-16-303	Cold Cleaner Requirements	Y – note 1	
8-16-303.1	General Operating Requirements	Y – note 1	
8-16-303.1.4	Waste Solvent Disposal	Y – note 1	
8-16- 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	

Table IV - R Source-specific Applicable Requirements

S-376 - TOOL ROOM COLD CLEANER S-377 - MACHINE SHOP COLD CLEANER S-378 - AUTO SHOP COLD CLEANER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-303.1.6	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	

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 - S Source-specific Applicable Requirements

S-425 – MARINE LOADING BERTH M1 S-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	

Table IV - S Source-specific Applicable Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

Aunticable	Description Title on	Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
8-44-111	Exemption: marine vessel fueling	Y	Date
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	Y	
9 44 201 2	liquid loaded, or	V	
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	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	

Table IV - S Source-specific Applicable Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

	5-420 - MARINE LOADING BERTH WIZ	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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	
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	Y	
	tons		
63.560(a)(3)	Record keeping in 63.567(j)(4) and emission estimation in 63.565(l)	Y	
	apply to existing sources < 10 and 25 tons		
63.565(l)	Emission estimation procedures	Y	
63.567(j)(4)	Retain records of emission estimates per 63.565(1), and actual	Y	
	throughputs, by commodity, for 5 years		
BAAQMD			
Condition			
4336			
Part 1	A-420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	monitoring requirements [Basis: Cumulative Increase]	Y	
Part 3	prohibition against loading without A-420 in service [Basis:	Y	
	Cumulative Increase]		
Part 4	leak test requirement [Basis: Cumulative Increase]	Y	

Table IV - S Source-specific Applicable Requirements

S-425 – MARINE LOADING BERTH M1 S-426 – MARINE LOADING BERTH M2

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 5	maximum loading pressure relative to relief valve setpoint [Basis: 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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			

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

		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	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	N	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes	N	
	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).		
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	Y	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes	Y-note 1	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S		
	and ammonia from process water streams		
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Υ	Notification
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		by 8/9/02;
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		compliance
			by 4/11/05
BAAQMD			
Condition			
19278			
Part 1	Annual source test requirement to verify H2S and ammonia removal	Y	4/1/04
	efficiency. [Basis: Regulation 9-1-313.2]		
	·		

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	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 3	Annual source test to verify SO3 and H2SO4 exhaust	Y	4/1/04
	concentrations. [Basis: Regulation 6-330]		
BAAQMD			
Condition			
20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	Y	10/11/04
Part 2	Submittal requirement for Operation, Maintenance, and	Y	4/11/05
	MonitoringStartup, Shutdown, and Malfunction Plan		
BAAQMD	APPLICABLE TO S-1002, S-1003 ONLY		
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	modificatio
			n date
Part 2	Light hydrocarbon flange/connector requirements [Basis:	Y	modificatio
	BACT]		n date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	modificatio
			n date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis:	Y	modificatio
	BACT]		n date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	modificatio
			n date
Part 6	ULSD project component count report requirement [Basis:	Y	modificatio
	BACT, Cumulative Increase, Toxic Management Policy]		n date
BAAQMD	Throughput limits for sources S-1001, S-1002, S-1003, S-301, S-	N	
Condition	302, S-303 [Basis: 2-1-234.3]		
20989, Part			
A			

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	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			
12121			
Part 1	Daily feed rate limit [Basis: Cumulative Increase]	Y	
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for S-370 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition 18251			
Part 1a	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 2b	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	4/1/04
BAAQMD	Throughput limits for S-380 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 18251			
Part 1b	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 2c	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y	4/1/04
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y	4/1/04
BAAQMD Condition 20989, Part A	Throughput limits for S-389 [Basis: 2-1-234.3]	Y	

Table IV – Y Source-specific Applicable Requirements S-462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEM S-463 – U-215 BUTANE CAUSTIC TREATMENT SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 20989, Part A	Throughput limits for S-462, S-463 [Basis: 2-1-234.3]	Y	startup date
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	startup date

Table IV – Y Source-specific Applicable Requirements S-462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEM S-463 – U-215 BUTANE CAUSTIC TREATMENT SYSTEM

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

	Table IV- AA Fugitive Sources: Applicable Requirements								
Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Refinery-wide applicability	Y	Y	N	N	N	N	Report only	N	Y
Specific Unit applicability									
Unit 267 (S-350)	Y	Y	Y	N	Y	N	N	N	Y
Unit 228 (S-370)	Y	Y	Y	N	Y	N	N	N	Y
Unit 110 (S-438)	Y	Y	Y	N	Y	N	N	N	Y
Unit 100 (S-324, 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

Table IV – AB

Applicable Requirements COMPONENTS (FACILITY-WIDE EXCEPT AS NOTED)

Applicable	Regulation Title or	Federally Enforceable	Future 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	YN	
8-18-406	Interim Compliance	YN	
8-18-501	Portable Hydrocarbon Detector	Y	
8-18-502	Records	Y	
SIP	Organic Compounds-Equipment Leaks (10/10/01)		
Regulation 8-18			
8-18-405	Alternate inspection reduction plan	Y-note 1	
8-18-406	Interim Compliance	Y-note 1	
BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum	N	
Regulation 8-28	Refineries and Chemical Plants (3/18/98)		
8-28-100	General/Applicability	YN	
8-28-200	Definitions	YN	
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	YN	
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	YN	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	YN	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	YN	
8-28-402	Inspection	YN	

Table IV – AB Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-28-403	Records	YN	
8-28-404	Identification	YN	
8-28-405	Prevention Measures Procedures	YN	
SIP	Pressure Relief Valves at Petroleum Refineries and Chemical		
Regulation 8,	Plants (12/9/94)		
Rule 28			
8-28-301	Pressure Relief Valve	Y-note 1	
8-28-401	Reporting	Y-note 1	
8-28-402	Inspection	Y-note 1	
8-28-403	Records	Y-note 1	
8-28-404	Identification	Y note 1	
NSPS Part 60			
Subpart GGG			
applies to the S-			
350 crude unit, S- 370 isomerization			
unit, S-438			
hydrogen plant			
NSPS Part 60	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			

Table IV – AB Applicable Requirements

	COM ONE WIS (FACILITY WIDE EACE FASTO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS Part 60	2 continue of requirement	(2/11)	2400
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	
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	

Table IV – AB Applicable Requirements

	CONFONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
60.482-7	Valve Standards:	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then	Y	
	monitor first month of each quarter. If leak >10,000 ppm is detected,		
	resume monthly monitoring		
60.482-7(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		

Table IV – AB
Applicable Requirements

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

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)

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

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

BAAQMD ·	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	Y	
	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	
8-8-304	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	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL		
	GAS		
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 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)			
40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
3(a)(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)

40 CFR 60.692- Standards: Oil-Water Separators (includes storage vessels)		\$ 100 (1 22 1 1/10 5 C)		
40 CFR 60.692- 3(a)(4) Standards: Oil-Water Separators (includes storage vessels) Y 3(a)(4) (4) CFR 60.692- 3(a)(5) Standards: Oil-Water Separators (includes storage vessels) Y 3(a)(5) (4) CFR 60.692- 3(a)(5) Standards: Oil-Water Separators (includes storage vessels) Y 3(d) CFR 60.692- 3(a) Standards: Delay of Repair Y 40 CFR 60.692- 3(a) Standards: Delay of Repair Y 40 CFR 60.692- 3(a) Standards: Delay of Repair Y 40 CFR 60.692- 3(a) 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(c) Recordkeeping Requirements Y 40 CFR 60.697(e)(2) Recordkeeping Requirements Y 40 CFR 60.697(e)(2) Recordkeeping Requirements Y 60.697(e)(2) Recordkeeping Requirements Y 60.697(e)(3) Recordkeeping Requirements Y 60.697(e)(4) Recordkeeping Requirements Y 60.697(f)(2) Recordkeeping Requirements Y 7 7 7 7 7 7 7 7 7	40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	
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60.116b(f) variable composition)			Y	
	60.116b(f)	variable composition)		

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)

<u> </u>			
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-433		
Condition 7353			
Part 1	Requirement to vent tank to fuel gas system [Basis: Cumulative	Y	
	Increase]		
Part 2	Valve, pump design requirements [Basis: Cumulative Increase]	Y	
Part 3	Limitation on material stored [Basis: Cumulative Increase]	Y	
Part 4	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 5	Weekly throughput records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B2 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks Subject to MACT Recordkeeping S-118 (Tank 163)

	5 110 (17K 102)		
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	SOCMI HON G (01/27/1995)		
40 Part 63	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
Subpart G			
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	

Table IV – B2 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks Subject to MACT Recordkeeping S-118 (Tank 163)

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 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		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)(iv)	vessels – Data and assumptions used to determine Group 2 classification		
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	Y	4/1/04
	of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD	Throughput limits for source S-118 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			
	l .		

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	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD	Throughput limits for sources S-117, S-193, S-194 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			

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

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

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

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

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

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

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

0.0.202	5-175 (TAIK 501), 5-170 (TAIK 502), 5-300 (TAIK	1	
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	Y	
()()	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 Storage	Y	
. , , ,	VesselsAdditional requirements for Kb storage vessels		
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	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(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)			

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

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

40 CFR 60.692-	Standards: Oil-Water Separators (includes storage vessels)	Y	<u> </u>
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 (includes storage vessers)	1	
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)(1)	Recordkeeping Requirements	Y	
(/ (/		Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	+
40 CFR 60.697(e)(4)	Recordkeeping Requirements	<u>т</u> Ү	+
40 CFR 60.697(f)(1)	Recordkeeping Requirements	Y	+
40 CFR 60.697(f)(2)	Recordkeeping Requirements		
40 CFR 60.698(c)	Reporting Requirements	Y	
BAAQMD	APPLICABLE TO S-388		
Condition 1860	W. L. and Word and the Control of th	*7	
Part 1	No detectable VOC emissions [Basis: Cumulative Increase]	Y	
Part 2	Requirement to vent to fuel gas recovery system [Basis: Cumulative Increase]	Y	
Part 3	Requirement to include S-388 in fugitive inspection program to verify compliance with Part 1 [Basis: Cumulative Increase]	Y	
BAAQMD	-		
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
BAAQMD	Throughput limits for sources S-195 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			
BAAQMD	Throughput limits for source S-196, S-388 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

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

	S 121 (111/11110)		
		Federally	
Applicable		Enforceable	Future
Requirement	Regulation Title or	(Y/N)	Effective

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

	Description of Requirement		Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING 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	Y	
	to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice	Y	
	to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice	Y	
	to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating	Y	
	roof tanks - continuous and quick filling, emptying and refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written	Y	
	notice of completion not required	37	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.110	Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation		
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	Y	
8-5-112.1.2	notification	1	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification	Y	
8-3-112.2	before commencement of work	1	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
6-3-112.3	minimization of emissions	1	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7	Y	
	days	•	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)	_	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals,	Y	
	lids – Projection below surface except p/v valves and vacuum breaker		
	vents		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals,	Y	
	lids –		
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals,	Y	
	lids – Gap requirements		

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

	S-121 (1ANK 100)		
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.4	Primary seal requirements; Resilient-toroid seal requirements including seal gaps	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	

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

	S-121 (TANK 100)		
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 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	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)	vessels – Keep records specified in 40 CFR 63.123		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for storage	Y	
63.654(i)(1)	vessels – Data and assumptions used to determine Group 2 classification		
(iv)			
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]	N	
Condition			
20989, Part A			

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

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

	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and	Y	
	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	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	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)

	B C I i i i i i i i i i i i i i i i i i i		
	gauging wells; Gap between the well and the roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements	Y	
	Geometry of shoe		
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps	Y	
	for welded tanks		
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; 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	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	Y	
0-3-301.1	months	1	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
0 3 301.2	Replacement Records – Retain 10 years	1	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS 40 CFR	National Emission Standards for Hazardous Pollutants for	1	
63 Subpart CC	Petroleum Refining (8/18/95)		
os subpart CC	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)		Y	
40 CFK 03.04U(II)(1)	Applicability and Designation of Affected Source Overlap for Storage VesselsExisting Group 1 or Group 2 also subject to Kb	1	
	only subject to Kb and 63.640(n)(8).		
40 CED 62 640(m)(0)	Applicability and Designation of Affected Source Overlap for	V	
40 CFR 63.640(n)(8)	Application of Affected Source Overlap for	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) see Vessels--Additional requirements for Kb storage vessels

	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		
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		
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		
P	TANKS		
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 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y	
10 0111 0011120(4)	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		
40 CFR	Testing and Procedures; External floating roof primary seal gaps	Y	
60.113b(b)(1)(i)	measurement frequency		
40 CFR	Testing and Procedures; External floating roof secondary seal gaps	Y	
60.113b(b)(1)(ii)	measurement frequency	_	
40 CFR	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(1)(iii)	and grade a control of the control o	_	
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
60.113b(b)(2)	procedures	_	
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	
.5 01 10	1 100 med 1 1000 dates, External floating 1001 mediate seal gaps		

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)

T	5 111 (111 M 2 10); 5 161 (111 M 656)		1
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		
40 CFR	Testing and Procedures; External floating roof visual inspection when	Y	
60.113b(b)(6)	emptied and degassed		
40 CFR	Testing and Procedures; External floating roofroof or seal defect	Y	
60.113b(b)(6)(i)	repairs		
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	
			1

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

40 CFR 60.116b(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	
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 – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

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	-

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

	S-101 (TANK 104), S-102 (TANK 105), S-106 (TAN	NK 130)	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.111.0	Notice to the APCO; Telephone notification	*7	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
0.5.111.0		**	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Floating roof tanks - continuous and quick filling, emptying and refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
	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 (applies only to S-106)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies	Y	
	only to S-106)		
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation (applies only to S-106)		
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	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

	S-101 (1ANK 104), S-102 (1ANK 105), S-106 (1A	130)	
0.7.000.7.1	seals, lids –		
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	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	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

9 5 502	Doutshla hydrogombon detector		
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-	Y	
D	106)		
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(6/15/1994)		
Rule 8	REQUIREMENTS FOR WASTEWATER SEPARATORS		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min)		
8-8-302.2	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals		
8-8-302.2.1	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals – liquid mounted primary seal gap criteria		
8-8-302.2.2	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals – secondary and wiper seals gap criteria		
8-8-302.2.3	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals – primary and secondary seal gap inspection		
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-503	Monitoring and Records: Inspection and Repair Records	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 63 Subpart	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 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	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	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		
	>= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and <		

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

	5-101 (TANK 104), 5-102 (TANK 105), 5-100 (TA	AINK 130)	
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	
	measurement frequency	I	
60.113b(b)(1)(i)		37	
40 CFR	Testing and Procedures; External floating roof secondary seal gaps	Y	
60.113b(b)(1)(ii)	measurement frequency	**	
40 CFR	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(1)(iii)			
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
60.113b(b)(2)	procedures		
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	1	
40 CFR	Testing and Procedures; External floating roof primary seal gap	Y	
60.113b(b)(4)(i)	limitations	1	
40 CFR	Testing and Procedures; External floating roof mechanical shoe	Y	
		ĭ	
60.113b(b)(4)(i)(A)	primary seal requirements	37	
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	
TO CI IX	1 resume and 1 recodures, External floating foot 30-day extension	1	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

Teques for seal gap repairs Various Vari	60 112b/b)(4)(jij)	S-101 (TANK 104), S-102 (TANK 105), S-100 (TANK 105)	130)	
60.113b(b)(5) 40 CFR Testing and Procedures; External floating roof visual inspection when of col.113b(b)(6) 40 CFR Testing and Procedures; External floating roof-roof or seal defect 40 CFR Testing and Procedures; External floating roof-roof or seal defect 40 CFR Testing and Procedures; External floating roof notification prior to 60.113b(b)(6)(ii) 40 CFR Testing and Procedures; External floating roof notification prior to 61.13b(b)(6)(ii) 40 CFR Testing and Recordkeeping Requirements; 60.112b(a) tanks; Record retention 40 CFR 60.115b(b) Reporting and Recordkeeping Requirements; 60.112b(a) external floating 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report - content requirements 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report - content requirements 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report - content requirements 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements 40 CFR 60.116b(b) Monitoring of Operations; Permanent record requirements 40 CFR 60.116b(b) Monitoring of Operations; Permanent record requirements 40 CFR 60.116b(b) Monitoring of Operations; Ott. storage record requirements 40 CFR 60.116b(c) Monitoring of Operations; Vot. storage record requirements 40 CFR 60.116b(c) Monitoring of Operations; Waste storage tanks (indeterminate or variable composition) NSPS Title 40 Part 60 Subpart QQ Monitoring of Operations; Waste storage tanks (indeterminate or variable composition) NSPS Title 40 Part 60 CFR 60.690(a)(1) Applicability and Designation of Affected Facility 40 CFR 60.690(a)(1) Applicabili	60.113b(b)(4)(iii)	request for seal gap repairs	37	
40 CFR (60.113b(b)(6)) 40 CFR (60.113b(b)(6)(i) 40 CFR (60.113b(b) 40 CFR (60.115b(b) 40 CFR (60.115b(b) 40 CFR (60.115b(b)(1) 40 CFR (60.115b(b)(2) 40 CFR (60.115b(b)(2) 40 CFR (60.115b(b)(2) 40 CFR (60.115b(b)(2) 40 CFR (60.115b(b)(3) 40 CFR (60.115b(b)(4) 40 CFR (60.115b(b)(4) 40 CFR (60.115b(b)(4) 40 CFR (60.115b(b)(4) 40 CFR (60.116b(c) 40 CFR (60.690(a)(1) 40 CFR (60.690(a)(1) 40 CFR (60.690(a)(2) 40 CFR (60.690(a)(3) 40 CFR (60.690(a)			Y	
60.113b(b)(6) emptied and degassed 40 CFR 60.113b(b)(6)(ii) repairs 40 CFR 60.113b(b)(6)(ii) filling 40 CFR (60.115b) 70.113b(b)(6)(ii) filling 40 CFR (60.115b) 80.113b(b)(6)(ii) filling 40 CFR (60.115b) 80.113b(b)(6)(ii) filling 40 CFR (60.115b(b) Reporting and Recordkeeping Requirements; 60.112b(a) external floating floating foot control equipment description and certification 40 CFR (60.115b(b)(1) floating roof control equipment description and certification 40 CFR (60.115b(b)(1) floating roof seal gap measurement report – content requirements 40 CFR (60.115b(b)(2) floating roof seal gap measurement report – content requirements 40 CFR (60.115b(b)(3) floating roof seal gap measurement records requirements 40 CFR (70.115b(b)(3) floating roof seal gap measurement records requirements 40 CFR (70.115b(b)(4) floating roof seal gap exceedance report 40 CFR (70.116b(b) floating roof seal gap exceedance report 40 CFR (70.116b(b) floating roof seal gap exceedance report 40 CFR (70.116b(b) floating roof seal gap exceedance report 40 CFR (70.116b(b) floating roof seal gap exceedance report 40 CFR (70.116b(b) floating roof seal gap exceedance report 40 CFR (70.116b(b) floating roof seal gap exceedance report 40 CFR (70.116b(b) floationing of Operations; Permanent record requirements 40 CFR (70.116b(b) floationing of Operations; Determine TVP 40 CFR (70.116b(c) floating floati			***	
40 CFR (and the control of the control equipment (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c			Y	
60.113b(b)(6)(i) repairs Testing and Procedures; External floating roof notification prior to Y	. , , , ,		37	
40 CFR 60.115b(b) (6) (ii) (60.115b(b) (6) (iii) (7) (80.115b(b)(6) (iii) (7) (80.115b(b)(6) (iii) (80.115b(6)(6)			Y	
60.113b(b)(6)(ii) filling Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Y Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification Property of Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements floating roof seal gap measurement records requirements floating roof seal gap measurement records requirements floating roof seal gap exceedance report floating roof seal gap		*	***	
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40 CFR (a) (a) (b) (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	40 CFR 60.115b		Y	
## do CFR Reporting and Recordkeeping Requirements; 60.112b(a) external Y Go.115b(b)(1) floating roof control equipment description and certification Y Go.115b(b)(2) floating roof seal gap measurement report – content requirements 40 CFR Reporting and Recordkeeping Requirements; 60.112b(a) external Y Go.115b(b)(2) floating roof seal gap measurement report – content requirements Y Go.115b(b)(3) floating roof seal gap measurement records requirements Y Go.115b(b)(3) floating roof seal gap measurement records requirements Y Go.115b(b)(4) floating roof seal gap exceedance report Y Go.115b(b)(4) floating roof seal gap exceedance report Y Go.115b(b)(4) floating roof seal gap exceedance report Y Go.116b(b) Monitoring of Operations; Record retention Y Y Y Y Y Y Y Y Y	10 000 10 11 51 (1)			
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40 CFR 60.697(a) Recordkeeping Requirements Y	40 CFR 60.697	Recordkeeping Requirements	Y	
	40 CFR 60.697(a)	Recordkeeping Requirements	Y	

Table IV – B8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

S-101 (TANK 104), S-102 (TANK 105), S-106 (TANK 130)

40 CFR 60.697(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			

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceabl e (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y	

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

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8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart CC	Petroleum Refining (8/18/95)		
·	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS Kb		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage 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	
40 CFR 63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage VesselsAdditional requirements for Kb storage vessels	Y	
40 CFR 63.640(n)(8)(v)	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 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 >=	Y	

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	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); Fixed roof with	Y	
60.112b(a)(1)	internal floating roof option		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(i)	roof requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(ii)	roof seal requirements		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(ii)(B)	roof double seal option		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(iii)	roof openings-projections below roof surface		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
60.112b(a)(1)(iv)	roof openings covers		
40 CFR	Standard for Volatile Organic Compounds (VOC); Internal floating	Y	
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		
	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		
	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		
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		
	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		
10.077	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	
40 CED (0.1151 ()	Record retention	7.7	
40 CFR 60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof tanks	Y	
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	
-	1 2		1

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

(
floating roof inspection records		
Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
floating roof annual inspection defects report		
Reporting and Recordkeeping Requirements; 60.112b(a) internal	Y	
floating roof double seal system inspection defects report		
Monitoring of Operations; Record retention	Y	
Monitoring of Operations; Permanent record requirements	Y	
Monitoring of Operations; VOL storage record requirements	Y	
Monitoring of Operations; Determine TVP	Y	
Monitoring of Operations; Determine TVP-crude oil and refined	Y	
petroleum		
Annual throughput limit [Basis: Cumulative Increase]	Y	
Requirements for tank openings [Basis: Cumulative Increase]	Y	
Monthly throughput records [Basis: Cumulative Increase]	Y	·
	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report Monitoring of Operations; Record retention Monitoring of Operations; Permanent record requirements Monitoring of Operations; VOL storage record requirements Monitoring of Operations; Determine TVP Monitoring of Operations; Determine TVP-crude oil and refined petroleum Annual throughput limit [Basis: Cumulative Increase] Requirements for tank openings [Basis: Cumulative Increase]	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report Monitoring of Operations; Record retention Monitoring of Operations; Permanent record requirements Monitoring of Operations; VOL storage record requirements Monitoring of Operations; Determine TVP Monitoring of Operations; Determine TVP-crude oil and refined ypetroleum Annual throughput limit [Basis: Cumulative Increase] Y Requirements for tank openings [Basis: Cumulative Increase]

Table IV – B10 Source-Specific Applicable Requirements Internal Floating Roof Tanks with Dome Roofs Previously External Floating Roof Tanks S-126 (Tank 172), S-257 (Tank 1004), S-258 (Tank 1005)

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

	5 120 (111 (11 1))		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-126 and S-258)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S-126 and S-258)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S-126 and S-258)	Y	
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roofs; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	

8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93 – note 2	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections – Seal gaps	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S-126 and S-258)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal 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-126 and S-258)	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	

40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa	7.7	
40 CFR 63.119(b)	Storage Vessel Provisions Reference Control Technology— Internal floating roof	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)	Internal floating roofMust float on liquid	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)(i)	Internal floating roofMust float on liquid except during initial fill	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)(ii)	Internal floating roof Must float on liquid except after completely	1	
03.117(0)(1)(11)	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(1)(iii)	Internal floating roof Must float on liquid except when completely	1	
03.117(0)(1)(11)	emptied before refilling		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(2)	Internal Floating Roof Operations, when not floating	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)	Internal floating roof – seals; must have at least one seal	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(b)(3)(i)	Internal floating roof – seal option; single liquid-mounted seal	1	
		Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	ĭ	
63.119(b)(3)(ii)	Internal floating roof - seal option; single metallic shoe seal	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology-	ĭ	
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)]		
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(c)	Storage Vessel Provisions RecordkeepingGroup 1 Internal	Y	
	floating roof tank requirements - records of each tank inspection		
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 INTERNAL 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	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		
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 CFR 63.646(f)	and sleeve seals. Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR 65.046(1)	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	1	
03.040(1)(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 Requirements internal	Y	
63.654(g)(2)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment		
40 CFR	Periodic Reporting and Recordkeeping Requirementsinternal	Y	
63.654(g)(2)(i)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection reports		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(i)(A)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	definition of failure		
40 CFR	Periodic Reporting and Recordkeeping Requirements—internal	Y	
63.654(g)(2)(i)(B)	floating roof tanks - submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	Periodic Report requirements		
40 CFR	Periodic Reporting and Recordkeeping Requirements—internal	Y	
63.654(g)(2)(i)(C)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(ii)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(ii)(A)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report;		
	definition of failure		
40 CFR	Periodic Reporting and Recordkeeping Requirements internal	Y	
63.654(g)(2)(ii)(B)	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report;		

	, , , , , , , , , , , , , , , , , , , ,		
	Periodic report requirements		
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		
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-	N	
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)

		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 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	

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)

	S-360 (TANK 223), S-445 (TANK 271), S-449 (TA	NK 203)	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
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	

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

8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for	1	
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)	Applicability and Designation of Storage Vessels	I	
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)	Exemption for emission points fouted to fuel gas system	1	
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	REQUIREMENTS FOR FIXED ROOF TANKS		
Kb	REQUIREMENTS FOR FIXED ROOF TANKS		
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)	•	
00.112 <i>b</i> (<i>a</i>)(3)(1)	(Subpart VV)		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)(ii)	and control device >= 95% inlet VOC emission reduction	1	
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)	flare)	1	
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		

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

40 CFR	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 Increase]	Y	
BAAQMD	APPLICABLE TO S-449		
Condition 11219			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
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 BAAQMD Regulation 8, Rule 5	Regulation Title or Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS	Federally Enforceabl e (Y/N)	Future Effective Date
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	

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)

0.5.110	Title of Table O	37 T	
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 Part 60 Subpart Kb	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR FIXED ROOF TANKS		

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 (1 ANK 510), 5-447 (1 ANK 511)		
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	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	
		Y	
60.112b(a)(3)(i)	and control device no detectable emissions per 40 CFR 60.485(b)		
10.000	(Subpart VV)		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)(ii)	and control device >= 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	1	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks;	Y	
40 CFR 00.1130	Record retention	1	
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
		1	
60.115b(c)	control device (not flare)	3 7	
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		
10.000	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	

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)

	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)

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

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)

,		,	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	Y	
8-5-112.2	notification Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S-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))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies 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 288))	Y	
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), S-129 (Tank 180), S-178 (Tank 288))	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
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 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	

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)

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 8-5-321.3 Primary Seal Requirements; Metallic-shoe-type seal requirements 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 Y Secondary Seal Requirements 8-5-322.1 Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; Insertion of probes 8-5-322.2 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 8-5-322.6 Secondary Seal Requirements; Extent of seal Y Y 8-5-328 Tank Degassing Requirements Tank Degassing Requirements; Tanks > 75 cubic meters 8-5-328.1 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 Y Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections 8-5-401.2 Inspection Requirements for External Floating Roof Tanks; Tank Y Fittings Inspections Inspection Requirements for Pressure Vacuum Valves (applies only 8-5-403 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)) 8-5-404 Certification Y Information Required 8-5-405 Y 8-5-501 Records 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 Analysis of Samples, True Vapor Pressure 8-5-602 Y 8-5-604 Determination of Applicability Y Pressure Vacuum Valve Gas Tight Determination (applies only to S-8-5-605 107 (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) REQUIREMENTS FOR EXTERNAL FLOATING ROOF Part 63 Subpart G

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)

(1111.1111)	701); 5-255 (TANK 1002); 5-250 (TANK 1005); 5-257	(1711/11/10/00)
	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	
	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	
	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

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)

63.120(b)(2)(i) -External FR seal gap determination methods - roof not resting on 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-Y -External FR seal gap determination methods – measure gaps 63.120(b)(2)(ii) around entire circumference of seal and measure width and length Y 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-63.120(b)(2)(iii) -External FR seal gap determination methods - determine total surface area of each gap Y Storage Vessel Provisions -- Procedures to Determine Compliance-40 CFR -External FR primary seal gap calculation method – total surface 63.120(b)(3) 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 -External FR secondary seal gap calculation method – total surface 63.120(b)(4) area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm Y Storage Vessel Provisions -- Procedures to Determine Compliance-40 CFR -External FR primary seal additional requirements 63.120(b)(5) 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 Storage Vessel Provisions -- Procedures to Determine Compliance-Y 40 CFR -External FR primary seal additional requirements – no holes, tears, 63.120(b)(5)(ii) or openings 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-Y -External FR secondary seal requirements 63.120(b)(6) Y 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-63.120(b)(6)(i) -External FR secondary seal requirements - location and extent Y 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements - no holes, tears or 63.120(b)(6)(ii) 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-Y -External FR unsafe to perform seal measurements or inspect the 63.120(b)(7) tank Y 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-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

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 1002), S-250 (TANK 1002)

(TANK 1001), S-255 (TANK 1002), S-256 (TANK 1003), S-259 (TANK 1006)

(1711/11/10	101), 5-235 (TARK 1002), 5-230 (TARK 1003), 5-237	(11111111111111111111111111111111111111
	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	
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
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	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
(2 (4((1)(2)	_ *	1
63.646(d)(2)		

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)

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)

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Reporting and Recordkeeping RequirementsOther reports	Y	
Storage vessel notification of inspections – refilling Group 1		
storage vessel.		
Reporting and Recordkeeping RequirementsOther reports	Y	
Storage vessel notification of inspections –Group 1 storage vessel		
seal gap measurements – 30 day notification [can be waived or		
Reporting and Recordkeeping RequirementsOther reports	Y	
Determination of Applicability		
Reporting and Recordkeeping RequirementsOther reports	Y	
Determination of Applicability		
Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
G)		
Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
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		
Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
storage vesselsRecord retention – 5 years		
Throughput limits for sources S-97, S-100, S-107, S-110, S-111, S-	N	
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]		
Throughput limits for sources S-129, S-150, S-151, S-178 [Basis:	Y	
2-1-234.3]		
	Storage vessel notification of inspections – refilling Group 1 storage vessel. 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]. Reporting and Recordkeeping RequirementsOther reportsDetermination of Applicability Reporting and Recordkeeping RequirementsOther reportsDetermination of Applicability Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G) 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 Reporting and Recordkeeping RequirementsRecordkeeping for storage vesselsRecord retention – 5 years 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] Throughput limits for sources S-129, S-150, S-151, S-178 [Basis:	Storage vessel notification of inspections – refilling Group 1 storage vessel. Reporting and Recordkeeping RequirementsOther reports Storage vessel notification of inspections – Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local]. Reporting and Recordkeeping RequirementsOther reports Determination of Applicability Reporting and Recordkeeping RequirementsOther reports Determination of Applicability Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G) Reporting and Recordkeeping RequirementsRecordkeeping for storage vesselskeep records specified in 40 CFR 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources Reporting and Recordkeeping RequirementsRecordkeeping for storage vesselsRecord retention – 5 years 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] Throughput limits for sources S-129, S-150, S-151, S-178 [Basis: Y

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceabl e (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,	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)

	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, Notification, Telephone notification	Y	
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	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	
	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	
	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	
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	requirementsprojection below liquid surface	-	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
-	requirementscover, seal, or lid		
	requirementscover, sear, or no		

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

	KA - S-341 (TANK 208), S-342 (TANK 209), S-343 (TA		
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 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	
8-5-321.3.2	geometry of shoe 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; Melded external floating roof tanks	Y	
6-3-322.3	with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	1	
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)	1	
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	

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

	KA - S-341 (1ANK 208), S-342 (1ANK 209), S-343 (1	ANK 210)	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(i)	External floating roof double seals required	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or		
40 CED	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 roofMust 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.		
L	1 January Conference of the contract of the co	1	

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

1,01	Maximum width <= 3.81 cm	1.(11.210)	
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		
	- 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		
10.077	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		

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

11010	notification notification	1111210)	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(10)(iii)	External FR and seal visual inspection each time emptied —	1	
03.120(b)(10)(III)	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
40 C1 K 03.123(a)	storage vessel dimensions and capacity. Keep for life of source.	1	
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
40 C1 K 03.123(d)	floating roof tank requirements - records of seal gap measurements	1	
	(date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
40 Cl K 03.123(g)	emptying storage vessel – keep documentation specified	1	
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC Subpart	TANKS ALSO SUBJECT TO NSPS K OR Ka		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	Applicability and Designation of Storage vessers	1	
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	1	
03.040(11)(3)	only subject to 40 CFR 63 Subpart CC		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsOroup 1 Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination	1	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes	1	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
40 CI K 05.040(C)	storage vessels [EFRs exempt from 63.119(c)(2)]	1	
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)	Storage + essert to + island attended to 1.pm 22,1777	-	
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)	Storage + essert rovisions received to 2 ecomoci 51, 1//2	-	
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	

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

1,010	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	
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		
40.077	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		
40 CEP <2 <54(*) (*)	seals for vessels in existing sources	***	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
NGDG Ettl. 40	storage vesselsRecord retention – 5 years		
NSPS Title 40	NSPS Subpart K for Tanks (4/4/1980)		
Part 60 Subpart K	APPLIES TO S-334 (Tank 107)		

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 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40 CFR	Applicability and Designation of Affected Facility>65,000 gal	Y	
60.110(c)(2)	after		
	6/11/1973 and before 5/19/1978.		
NSPS Title 40	NSPS Subpart Ka for Tanks (12/14/2000)		
Part 60 Subpart	APPLIES TO S-341 (Tank 208), S-342 (Tank 209), S-343 (Tank		
Ka	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]	N	
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	e	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8, Rule 5	REQUIREMENTS FOR FIXED ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	

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)

	5-157 (1 ank 20+), 5-1+0 (1 ank 205), 5-102 (1 a		
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	
0.5.110.1.0	1	37	
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	Y	
0-3-112.2	before commencement of work	1	
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 7	Y	
	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, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassingrequirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40	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 K for Tanks (4/4/1980)		
Part 60 Subpart K	EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM		
	LIQUIDS (Applicable to S-139 only)		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD	APPLICABLE TO S-182		

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)

Condition 13184			
	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
Part 1	Increase]		
BAAQMD	Throughput limits for sources S-139, S-140 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			

	5-155 (TAIN 175)	Federally	
		Enforceabl	Future
Applicable	Regulation Title or	e	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAOMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(2/1/)	2
Regulation 8 Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
	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, Notice	Y	
	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	

	S-133 (1ANK 193)		
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well 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	

	S-133 (TANK 193)		
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD · Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994)		
	REQUIREMENTS FOR SLOP OIL VESSELS	*7	
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	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 liquid-mounted		
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	

	S-133 (TANK 193)		
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	Y	
40 CFR 63.119(c)(3)(ii)	External floating roofMust float on liquid except during initial fill 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	
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	

	S-133 (TANK 193)		
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – no holes, tears,	Y	
	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		
. , , , , ,	- 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	•	
03.120(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	•	
03.120(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	
: :: (w)	storage vessel dimensions and capacity. Keep for life of source.	-	
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
0111 00.120(0)	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	-	
			1

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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	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)	Storage + essertions iteratement to right 22,1777	-	
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)	biology (control biological control co	-	
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	
40 CI K 05.040(c)	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	
40 C1 K 05.040(1)	notification requirements	•	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 C1 K 05.054(1)	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 65.054(g)	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and	1	
03.034(8)(1)	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	1	
05.054(8)(3)	vessers with external moating roots		

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

	5-135 (TANK 175)		
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 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			

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;	Y	

	S-340 (TANK 108)		
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	

	S-340 (TANK 108)		
	gauging wells; Projection below the liquid surface		
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Cover, seal, or lid		
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Gap between the well and the roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	-geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	-welded tanks		
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y	
	secondary seal is not a zero-gap seal as defined in 8-5-322.5)		
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal	Y	
	installed after September 4, 1985 (becomes applicable when		
	secondary seal is considered newly installed and subject to zero-		
	gap seal gap requirements)		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks;	Y	
	Primary and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain	Y	
	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		

	S-340 (TANK 108)		
	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		
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 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 roofMust float on liquid except during initial		
(1)(1)(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		
	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)(1)(1)	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	Y	
,	ComplianceCompliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)	ComplianceExternal FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(1)(i)	ComplianceExternal FR with double seals - primary seal gap		
. , , , , ,	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		
	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		
	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		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(i)	ComplianceExternal FR seal gap determination methods – roof		
	not resting on legs		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(2)(ii)	ComplianceExternal FR seal gap determination methods –		
	measure gaps around entire circumference of seal and measure		

	S-340 (TANK 108)		
	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 –		
,,,,,,	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 –		
001120(0)(0)	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	•	
03.120(0)(4)	- 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	
		1	
63.120(b)(5)	ComplianceExternal FR primary seal additional requirements	N/	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(5)(i)	ComplianceExternal FR primary seal additional requirements –		
10.077	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 –		
	no holes, tears, or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)	ComplianceExternal FR secondary seal requirements		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(6)(i)	ComplianceExternal FR secondary seal requirements – location		
	and extent		
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		
001120(0)(1)(11)	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	1	
03.120(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 CFR	Storage Vessel Provisions Procedures to Determine	Y	
		I	
63.120(b)(9)	Compliance External FR seal gap measurement 30 day		

	S-340 (TANK 100)		
	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	
63.120(b)(10)(i)	ComplianceExternal FR and seal visual inspection each time	-	
03.120(0)(10)(1)	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	Y	
63.120(b)(10)(ii)	Compliance External FR and seal visual inspection each time	1	
03.120(0)(10)(11)			
40 CED	emptied – 30 day notification	37	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)(iii)	Compliance External FR and seal visual inspection each time		
10 GTD 10 100()	emptied —Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group	Y	
	2 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		
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	1	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
	method 18 to resolve disputes	1	
63.646(b)(2)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	V	
40 CFR 63.646(c)		Y	
40 CED (2 (4((1)	storage vessels [EFRs exempt from 63.119(c)(2)]	N/	
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	

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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	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of	Y	
10 CTD	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		
)			
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		
	•		
		Y	
40 CFR		Y	
40 CFR		Y	
63.654(i)(1)	storage vessels – keep records specified in 40 CFR 63.123		
	(Subpart G)		
40 CFR 63.654(h)(6) 40 CFR 63.654(h)(6)(ii) 40 CFR	seal gap measurements – 30 day notification [can be waived or modified by state or local]. Reporting and Recordkeeping RequirementsOther reportsDetermination of Applicability Reporting and Recordkeeping RequirementsOther reportsDetermination of Applicability Reporting and Recordkeeping RequirementsRecordkeeping for	Y Y Y	

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

40 CFR 63.654(i)(1)(i)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels- keep records specified in 40 CFR 63.123	Y	
	(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		
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-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8,	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	

Table IV – B18 Source-Specific Applicable Requirements

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

8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	Y Y	
8-3-112.1.1	prior notification	Y	
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 (applicable to \$\frac{S-107}{}\$	Y	
	(Tank 150), S-113 (Tank 158), S-125 (Tank 170))		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable	Y	
	to S-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))		
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation (applicable to S-107 (Tank 150), S-113 (Tank		
	158), S-125 (Tank 170))		
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		
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	

Table IV – B18 Source-Specific Applicable Requirements

MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010) mounted except as provided in 8-5-305.1.3

8-5-321.3.1 8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y Y	
	geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	-
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements)	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applicable to 8-107 (Tank 150), S-113 (Tank 158), S-125 (Tank 170))	Y	
8-5-404	Certification	Y	'
8-5-405	Information required	Y	-
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination (applicable to \$\frac{107}{(Tank 150)}\$, S-113 (Tank 158), S-125 (Tank 170))	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		

Table IV – B18 Source-Specific Applicable Requirements

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

S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

Storage Vessel Provisions -- Reference Control Technology--

	5-105 (TANK 275); 5-104 (TANK 270); 5-201 (TANK 10)		
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		
	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	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust 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	1	
03.119(0)(3)(11)	emptied and degassed		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
		1	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
40 CED	completely emptied before refilling	Y	
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		
	Section of even Pub		

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

S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

	5-105 (TANK 295), 5-104 (TANK 290), 5-201 (TANK 10		
40 CFR 63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance External FR unsafe to perform seal measurements or inspect the tank - empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
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	Y	

Table IV – B18 Source-Specific Applicable Requirements

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

	5-105 (TANK 275), 5-104 (TANK 270), 5-201 (TANK 10	10)	Т
	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		
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	
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	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	

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

S-183 (TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

	status report requirements	10)	
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	-	
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	_	
)	2		
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		
40 CED	G)	37	
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		
40 CED 62 (54(:)(4)	seals for vessels in existing sources	V	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
DAAOMD	storage vesselsRecord retention – 5 years	N.	
BAAQMD	Throughput limits for sources S 107, S-113, S-124, S-125, S-261	N	
Condition 20989,	[Basis: 2-1-234.3]		

Table IV – B18 Source-Specific Applicable Requirements

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

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Part A			
BAAQMD	Throughput limits for sources S-183, S-184 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			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)		
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; 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	

	5-210 (TANK 095A)		
	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	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		
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		
8-5-321.3.3	Primary seal requirements; Metallic shoe type seal requirements:	Y	
	Gaps for riveted 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	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;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	

	5-210 (TANK 095A)		
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	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		
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		
	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 roofMust 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		
10 0777	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		
40 CED	completely emptied before refilling	V	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating	V	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
40 CFR	Compliance DemonstrationExternal floating roof Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(1)	External FR seal gap measurement	1	
03.120(0)(1)	External LIV seal Rah measurement		

	5-210 (TANK 0/3A)		
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	
03.120(0)(1)(1)	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 –	•	
03.120(0)(1)(111)	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	
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		
40 CEP	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		
	- complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)		

40 CFR 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 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 memove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented. 40 CFR 63.120(b)(9) External FR Replaymensurement 30 day notification 40 CFR 63.120(b)(0) External FR seal gap measurement 30 day notification 40 CFR 63.120(b)(10) External FR and seal visual inspection each time emptied 40 CFR 63.120(b)(10)(i) External FR and seal visual inspection each time emptied 40 CFR 63.120(b)(10)(ii) 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 63.120(b)(10)(iii) External FR and seal visual inspection each time emptied - 30 day notification 40 CFR 63.120(b)(10)(iii) External FR and seal visual inspection each time emptied - 30 day notification 40 CFR 63.123(a) Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied - 30 day notification 40 CFR 63.123(a) Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied - 30 day notification 5 torage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage Vessel Provisions RecordkeepingGroup 1 and Group 2 storage Vessel Provisions RecordkeepingGroup 1 External floating roof tank requirements - records of seal gap measurements (date, raw data, and required calculations) 40 CFR 63.123(g) Storage Vessel Provisions RecordkeepingGroup 1 External f		5-210 (TANK 0/3A)		
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40 CFR 63.646(d) Storage Vessel ProvisionsReferences Y	40 CFR 63.646(c)		Y	
40 CFR Storage Vessel ProvisionsReferences to April 22,1994 Y				
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63.646(d)(2)	63 646(4)(2)	Storage Vessel ProvisionsReferences to April 22,1994	1	
40 CFR Storage Vessel ProvisionsReferences to December 31, 1992 Y				

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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	
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 63.654(g)(3)(i) 40 CFR 63.654(g)(3)(ii) 40 CFR 63.654(g)(3)(iii) 40 CFR 63.654(h)(2) 40 CFR 63.654(h)(2) 40 CFR 63.654(h)(2)(i)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs-document results of each seal gap measurement Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs – extension documentation Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs – documentation of failures Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections. Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections – refilling Group 1 storage vessel. 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	Y Y Y Y	

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

	S 210 (1711 W 0) 5/1)		
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
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; 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;	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)

	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	
8-5-304	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	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)

	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- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not zero-gap seal as defined in 8-5-322.5)	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zero-gap seal gap requirements)	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal 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	Y	

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	Vessels		
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil	Y	
	Vessels – fixed cover requirements		
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		
Ture of Suspine o	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	1	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
40 CIR 05.117(c)	External floating roof	1	
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	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or	1	
03.117(0)(1)(11)	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	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust float on liquid except during initial fill	1	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely	-	
001117(0)(0)(11)	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	-	
001115(0)(0)(111)	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	
03.12U(D)(1)(111)	External FR with double seals - secondary seal gap measurement –		
63.120(b)(1)(iii)	External FR with double seals - secondary seal gap measurement – annual requirement		
63.120(b)(1)(111) 40 CFR	External FR with double seals - secondary seal gap measurement – annual requirement Storage Vessel Provisions Procedures to Determine Compliance	Y	

	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	
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		
	- 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	

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	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(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		
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		
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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	

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

63.654(h)(6)(ii)	Determination of Applicability		
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – keep records specified in 40 CFR 63.123 (Subpart G)	Y	
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 source S-134 [Basis: 2-1-234.3]	N	

Table IV – B21 Source-Specific Applicable Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		

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)

1540), 5-200 (F5), 5-207 (F10), 5-295 (F005)		
Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
National Emission Standards for Hazardous Air Pollutants for		
REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
Applicability and Designation of Storage Vessels	Y	
Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
Reporting and Recordkeeping RequirementsOther reports	Y	
Reporting and Recordkeeping RequirementsOther reports	Y	
Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
Reporting and Recordkeeping RequirementsRecordkeepingRecord retention – 5 years	Y	
Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04
	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 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. National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY Applicability and Designation of Storage Vessels Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Reporting and Recordkeeping RequirementsOther reportsDetermination of Applicability Reporting and Recordkeeping RequirementsOther reportsDetermination of Applicability Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123 Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification Reporting and Recordkeeping RequirementsRecordkeepingRecord retention – 5 years Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 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. National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY Applicability and Designation of Storage Vessels Y Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes Reporting and Recordkeeping RequirementsOther reports Determination of Applicability Reporting and Recordkeeping RequirementsOther reports Determination of Applicability Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123 Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification Reporting and Recordkeeping RequirementsRecordkeepingRecord retention – 5 years Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]

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

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

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

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

NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2) 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	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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

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)

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

Applicable	Regulation Title or	Federally Enforceab le	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8 Rule 5	REQUIREMENTS FOR 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,	Y	
0-3-111.1	Notification	1	
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, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
6-3-111.2	in compliance prior to notification	1	
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	
0-3-112.1.2	notification	1	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	Y	
0 3 112.2	start of work. Certified per 8-5-404	1	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
	Minimize emissions		
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
	requirements		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

	Y	
	•	
, <u> </u>	Y	
	1	
	Y	
	1	
	v	
	1	
•	v	
	1	
	v	
	Y	
	37	
	Y	
	Y	
	Y	
with seals installed after 9/4/1985 or welded internal floating roof		
tanks with seals installed after 2/1/1993		
Secondary Seal Requirements; Extent of seal	Y	
Tank Degassing Requirements	Y	
Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
Emission Control System		
	Y	
	Y	
	Y	
	Y	
	Y	
	-	
	Y	
Records: Internal and External Floating Root Tanks, Seal	Y I	
Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
	seals, lids Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements; Solid sampling or gauging well requirements in floating roof tanks Tank Fitting Requirements; Solid sampling or gauging well requirements—projection below liquid surface Tank Fitting Requirements; Solid sampling or gauging well requirements—cover, seal, or lid Tank Fitting Requirements; Solid sampling or gauging well requirements—cover, seal, or lid Tank Fitting Requirements; Solid sampling or gauging well requirements—gap between well and roof Tank Fitting Requirements; Emergency roof drain Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3 Primary Seal Requirements; Metallic-shoe-type seal requirements Primary Seal Requirements; Metallic-shoe-type seal requirements—geometry of shoe Primary Seal Requirements; Metallic-shoe-type seal requirements—welded tanks Secondary Seal Requirements; No holes, tears, other openings Secondary Seal Requirements; Tank of probes Secondary Seal Requirements; Tank Fitting roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993 Secondary Seal Requirements; Tanks > 75 cubic meters Tank Degassing Requirements; Tanks > 75 cubic meters Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System Tank Degassing Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections Certification Information Requirements for External Floating Roof Tanks; Tank Fittings Inspections Certification Information Required Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids - Gap requirements Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks Tank Fitting Requirements; Solid sampling or gauging well requirements-projection below liquid surface Tank Fitting Requirements; Solid sampling or gauging well requirements-cover, seal, or lid Tank Fitting Requirements; Solid sampling or gauging well requirements-eap between well and roof Tank Fitting Requirements; Solid sampling or gauging well requirements-gap between well and roof Tank Fitting Requirements; Tank Fitting Requirements Primary Seal Requirements; Moholes, tears, other openings Primary Seal Requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3 Primary Seal Requirements; Metallic-shoe-type seal requirements Primary Seal Requirements; Metallic-shoe-type seal requirements geometry of shoe Primary Seal Requirements; Metallic-shoe-type seal requirements welded tanks Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; Insertion of probes Y Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; No holes, tears, other openings Y Secondary Seal Requirements; Tanks > 75 cubic meters Y Tank Degassing Requirements; Tanks > 75 cubic meters Tank Degassing Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections Inspection Requirements for External Floating Roof Tanks; Primary and Secondary

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

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	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		
	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	37	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(i)	External floating roofMust 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	1	
03.117(c)(3)(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	
(1)(1)(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		
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		
40 CEP	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

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	_
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 – 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).		
1	Two 30 day extensions are allowed to empty the tank. Decision to		

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

,	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	-	
00.120(0)(0)	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		
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	
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	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	

Table IV – B23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

	GED (2100 CG L 4E		
63.646(d)(4)	CFR 63.100 of Subpart F	37	
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 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(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	•	
)	status report requirementsreportingstorage vessers		
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirements—storage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and	1	
03.034(g)(1)	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	1	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal	1	
03.034(8)(3)(1)	I - I		
40 CFR	gap measurement Periodic Reporting and Recordkeeping Requirementsstorage	Y	
		I	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation	V	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	37	
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		

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)

	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)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		

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

Part 63 Subpart CC	Petroleum Refining (8/18/95) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)	Applicability and Designation of Affected Source Overlap for Storage Vessels	Y	
40 CFR 63.640(n)(7)	Applicability and Designation of Affected Source Overlap for Storage Vessels—Group 2 storage vessel subject to NSPS K or Ka but exempt from control requirements of NSPS K or Ka is required to comply only with 40 CFR 63 Subpart CC	Y	
40 CFR 63.646(b)(1)	Storage Vessel 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	
NSPS Title 40 Part 60 Subpart K	NSPS Subpart K for Tanks (4/4/1980)		
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40 CFR 60.110(c)(2)	Applicability and Designation of Affected Facility>65,000 gal after 6/11/1973 and before 5/19/1978.	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

Table IV – B25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

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

Table IV – B25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

Regulation 8,	REQUIREMENTS FOR PRESSURE TANKS	
Rule 5		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service;	Y
0 0 11111	Notice to the APCO	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y
	Notice to the APCO; 3 day prior notification	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y
	Notice to the APCO; Telephone notification	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y
	Compliance before notification	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use	Y
	of vapor recovery	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y
	Minimization of emissions	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y
	Written notice of completion not required	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y
	Compliance with Section 8-5-328	
8-5-112	Limited Exemption, Tanks in Operation	Y
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	Y
	prior notification	
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 certification	Y
	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 7	Y
	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, maintenance,	Y
	operation	
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;	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; blanket gas; true vapor pressure;	Y
	Retain 24 months	

Table IV – B25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

S-100 (1 <i>1</i>	ANK 300), S-109 (TANK 301), S-190 (TANK 302), S-233	(IANK 05	3)
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	Exemption for pressure vessels designed to operate in excess of 204.9	Y	
60.110b(d)(2)	kPa and without emissions to the atmosphere.		

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

Applicable Requirement BAAQMD ·	Regulation Title or Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02)	Federally Enforceable (Y/N)	Future Effective Date
Regulation 8, Rule 5	EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95) REQUIREMENTS FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
NSPS Title 40 Part 60 Subpart Kb	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	

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

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	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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

	I MINE 2009, I MINE 200		.
Applicable Requirement			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		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.691	Definitions: Closed Vent System. If gas or vapor from regulated equipment are routed to a process (e.g., petroleum refinery fuel gas system), the process shall not be considered a closed vent system and is not subject to the closed vent system standards.	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	

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

	1 ANK 233, 1 ANK 230		
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)	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		
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 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	
	variable composition)		
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and	Y	
	40 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	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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

	· -			
Applicable Requirement	Regulation Title or Description of Requirement		Future Effective Date	
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT	(Y/N)		
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 63.640(c)(3)	Wastewater streams and treatment operations associated with 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 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		
40 CFR 60.692- 3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y		
40 CFR 60.692- 3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y		
40 CFR 60.692- 3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y		
40 CFR 60.692- 3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y		
40 CFR 60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y		
40 CFR 60.692-6	Standards: Delay of Repair Y			
40 CFR 60.692-6(a)	Standards: Delay of Repair Standards: Delay of Repair Y			
40 CFR 60.692-6(b)				
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		

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

TANK 237

40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	B) Recordkeeping Requirements		
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		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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

Applicable Requirement BAAQMD · Regulation 8, Rule 5	Regulation Title or Description of Requirement Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT	Federally Enforceable (Y/N)	Future Effective Date
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	Applicability and Designation of Affected Source Overlap for Storage	Y	

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

63.640(n)(1)	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 Storage VesselsAdditional requirements for Kb storage vessels	Y	
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 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	'	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	4/1/04
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Future Enforceable (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	
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 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	

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

NSPS Title 40 Part 60 Subpart K	NSPS Subpart K for Tanks (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING		
	PETROLEUM LIQUIDS		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	4/1/04
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	4/1/04

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 40 CFR 60 Subpart J 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.

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.]

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

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

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

 [Cumulative Increase]
- 2. Crude Unit #267 (S-350) feed rate shall not exceed 30,000 bbl per day on a 12 month rolling average basis. Crude Unit #267 feed rate shall never exceed 33,000 bbl on any calendar day.

VI. Permit Conditions

The 33,000 bbl/day limit and 30,000 bbl/day 12 month rolling average limit are absolute limits and may not be corrected for instrument error. [Cumulative Increase]

- 3a. Monthly records of "calendar day" throughput and "12 month rolling average" throughput shall be maintained in a District approved log. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 3b. Sulfur content analyses required by Part 1b shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]
- 1a. The owner/operator of S-350 (Crude Unit 267) shall not process crude oil at S-350 with a sulfur 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]
- 2. 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 476

A. Definitions And Abbreviations (Partial)

- 1. Start up: that period of time during which the piece of equipment in question is put into normal operation from an inactive status by following a prescribed series of separate steps or operations.
- 2. Shutdown: that period of time during which the piece of equipment in question is taken out of service from a normal operating mode to an inactive status following a prescribed series of separate steps or operations.
- 3. Annual average basis: an average daily amount determined by dividing a 12 month running total by 365.
- 4. ppmdv: parts per million dry volume.

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	5. C5/C6: petroleum products containing pentane, hexane and cyclic compounds. [Definitions]
В.	- Operations
	1.The total charging rate to S-300, Coking Unit 200, shall not exceed 56,000 barrels per any day. The annualized daily average shall not exceed 52,000 barrels. [Cumulative Increase]
C.	Reporting And Recordkeeping
	 A file shall be maintained which contains (1) all measurements, records, charts and other data which must be collected pursuant to the provisions of this conditional permit and (2) such other data and calculations necessary to determine actual emissions from emission points covered by this permit. This file (which may contain confidential or proprietary data) shall include, but not be limited to: records of quantities of crude oil and other hydrocarbons processed on an actual daily basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or other data are made or recorded. [BACT, Cumulative Increase] Each month, within 30 days of the end of the month an operational report shall be made to
	the APCO. Each monthly report shall include the following information for the month being reported:
	a. S-300 Coking Unit 200 daily charging rate for all feed streams [BACT, Cumulative Increase]
D.	- Miscellaneous
	1. Compliance with the annual average basis limits set forth in Section B shall be determined monthly based on the information contained in the operational reports submitted pursuant to Section C.2 above for the previous twelve months. [BACT, Cumulative Increase]

CONDITION 1440

APPLICATIONS 483/5504; SAN FRANCISCO REFINERY; PLANT 16

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

1. S-324 API Separator shall be operated such that the liquid in the main separator basin is in full contact with fixed concrete roof. This condition shall not apply during separator shutdown for maintenance. [Cumulative Increase]

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

CONDITION 1694 [Revisions to Part 4 are in accordance with A/C 5814.]

APPLICATION 18623; SAN FRANCISCO REFINERY; PLANT 16

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

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

District Refinery Daily Firing Hourly Firing

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Source	ID	Limit	Rate
<u>Number</u>	<u>Number</u>	(MM BTU/day)	(MM BTU/hr)
S-2	U229/B301	528	22
S-3	U230/B201	1,488	62
S-4	U231/B101	•	96
		2,304	
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	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	· · · · · · · · · · · · · · · · · · ·	58
S-438	U110	5,040	210
		2,2.2	[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 **naphthaliquid** fuel. These sources shall be monitored for visible emissions during tube cleaning-during daylight hours. If any visible emissions are detected when the operation commences, corrective action shall be taken within one day, and monitoring shall be performed after the corrective action is taken. If no visible emissions are detected, monitoring shall be performed on an hourly basis. [Regulation 2-6-409.2]
- 2c. Sources S-3 and S-7 are permitted to use **naphthaliquid** 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

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unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2].

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

 [SO2 Bubble]
- 3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]
- 4. Emissions of SO2 shall not exceed 1,558 lb/day on a monthly average basis from non-cogeneration sources burning fuel gas, fuel oil or diesel fuel. [SO2 Bubble]
- 4. Emissions of SO2 shall not exceed 1,611 lb/day on a monthly average basis from non-cogeneration sources burning fuel gas or liquid fuel. [SO2 Bubble]
- 5. The following records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:
 - a. Daily and monthly records of the type and amount of fuel combusted at each source listed in Part A.1. [Regulation 2, Rule 1]

b. TRS sample results as required by Part A.3

[SO2 Bubble]

c. SO2 emissions as required by Part A.4

[SO2 Bubble]

d. The operator shall keep records of all visible emission monitoring required by Part 2b, shall identify the person performing the monitoring and shall describe all corrective actions taken.

[Regulation 2-6-409.2]

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

[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

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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.

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[BACT, Cumulative Increase]

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

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

[BACT, 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]

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

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

[Recordkeeping]

CONDITION 1860

APPLICATION 1660, SAN FRANCISCO REFINERY, PLANT 16

CONDITIONS FOR S-388,

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

CONDITION 4336

APPLICATION 4332, 15994; SAN FRANCISCO REFINERY; PLANT 16

CONDITIONS FOR S-425, S-426

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

 [Cumulative Increase]
- 2. Instruments shall be installed and maintained to monitor and record the following:
 - a. Static pressure developed in the marine tank vessel
 - b. A-420 temperature.
 - c. Hydrocarbons and flow to determine mass emissions or a concentration measurement alone if it is demonstrated to the satisfaction of the APCO that concentration alone allows verification of compliance, or
 - d. Any other device that verifies compliance, with prior approval from the APCO. [Cumulative Increase]
- 3. A "regulated organic liquid" shall not be loaded from this facility into a marine tank vessel within the District whenever A-420 is not fully operational. A-420 must be maintained to be

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

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

[Cumulative Increase]

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

The following conditions are transferred from Condition 476.

- 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

APPLICATION 18377; RODEO RFINERY; PLANT 16

CONDITIONS FOR S-307

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

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- 4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound cooler shall be verified on a daily basis. [Cumulative Increase]
- 5. Daily records (on days when the U-240 hydrogen plant operates) of normal scrubbing liquid flow and normal cooling water flow shall be kept in a District-approved log for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 6. Effective 1/1/05, an annual source test shall be performed on the vapor vent on the E-421 condenser to verify compliance with Regulation 8-2-301 in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test.

[Regulation 2-6-409.2]

CONDITION 6725

APPLICATION 6122; SAN FRANCISCO REFINERY; PLANT 16

CONDITIONS FOR S-432

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

[BACT, Cumulative Increase]

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

[BACT, Cumulative Increase]

CONDITION 7353

- 1. The emissions from the S-433 MOSC storage tank shall be collected and vented to the fuel gas system. [Cumulative Increase]
- 2. Valves shall be equipped with live-loaded packing. Pumps shall be equipped with double mechanical seals separated by a barrier fluid. [Cumulative Increase]

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- 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

APPLICATION 22088; SAN FRANCISCO REFINERY; PLANT 16

CONDITIONS FOR S-294 (GDF 7609)

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

CONDITION 11219

SAN FRANCISCO REFINERY: PLANT 16

CONDITIONS FOR S-449 (T-285)

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

CONDITION 12121

APPLICATION 12412:SAN FRANCISCO REFINERY: PLANT 16

CONDITIONS FOR S-370

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

CONDITION 12122

APPLICATION 30810, 14527, 18281; SAN FRANCISCO REFINERY; PLANT 16

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

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

[Cumulative Increase]

- 2. A HRG duct burner shall be operated only when the associated gas turbine is operated.

 [Cumulative Increase]
- 3. The exhaust from S-352 and S-355 shall be abated at all times by SCR unit A-13. [BACT, Cumulative Increase]
- 4. The exhaust from S-353 and S-356 shall be abated at all times by SCR unit A-14. [BACT, Cumulative Increase]
- 5. The exhaust from S-354 and S-357 shall be abated at all times by SCR unit A-15. [BACT, Cumulative Increase]
- 6. Total fuel fired in S-355, S-356, and S-357 shall not exceed 2.42 E 12 BTU in any consecutive 365 day period. [Cumulative Increase]
- 7. CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions.

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

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

 [BACT, Cumulative Increase]
- 9b. NOx emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 10a. The combined CO emissions from S-352, S-353, S-354, S- 355, S-356 and S-357 shall not exceed 200 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

- 10b. CO emissions from S- 352, S-353, S-354, S-355, S-356 and S-357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 11. The combined POC emissions S-352, S-353, S-354, S-355, S-356 and S-357 shall not exceed 8.3 lb/hr nor 30.5 tons in any consecutive 365 day period.

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[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]

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

CONDITION 12124

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

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

CONDITION 12125

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

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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

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

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

2,740 thousand barrels

[Cumulative Increase]

- 2. S-442 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

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CONDITION 12129

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

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

4,380 thousand barrels

[Cumulative Increase]

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

CONDITION 12130

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

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

CONDITION 12131

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

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

CONDITION 12132

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

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

VI. Permit Conditions

CONDITION 12133

APPLICATION 12412: SAN FRANCISCO REFINERY: PLANT 16

CONDITIONS FOR S-448 (T-1007)

- 1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:
 - 2,190 thousand barrels

[Cumulative Increase]

- 2. S-448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]
- 3. Monthly records of the throughput of each material processed at this tank shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 12245

APPLICATION 13410; SAN FRANCISCO REFINERY; PLANT 16

CONDITIONS FOR S-450

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

 [Cumulative Increase]

CONDITION 13184

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

VI. Permit Conditions

CONDITION 16677

APPLICATION 117: SAN FRANCISCO REFINERY: PLANT 16

CONDITIONS FOR S-376, 377, 378

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

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

[Cumulative Increase and Toxic Risk Screen]

CONDITION 18251

Conditions for S-380, S-389

- 1a. Activated Carbon Silo S-380 shall be vented through the A-20 baghouse whenever it is in service.
- 1b. Diatomaceous Earth Silo S-389 shall be vented through the A-21 baghouse whenever it is in service. [Regulation 2-1-234]
- 2a. Baghouses A-20 and A-21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]

- 2b. Differential pressure on baghouse A-20 shall be checked at least once per calendar quarter to verify normal operating condition. [Regulation 1-441]
- 2c. Differential pressure on baghouse A-21 shall be checked each time that the baghouse is operated to verify normal operating condition. [Regulation 1-441]
- 3. A record of 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

Conditions for S-296, S-398

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

 [Regulation 2-6-409.2]
- 2. The owner/operator shall use flare S-398 only to burn only process upset gases or fuel gas that is released to it as a result of relief valve leakage or other emergency malfunctions.

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

 [Basis: 40 CFR 60.104(a)(1)]
- 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]
- 2. 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 30-minute inspection of a flaring event.
 - a. If the owner/operator can determine that there are no visible emissions using video monitoring, then no further monitoring is necessary for that particular inspection.
 - b. If the owner/operator cannot determine that there are no visible emissions using video monitoring, the owner/operator shall conduct a visual inspection outdoors using either:
 - i. EPA Reference Method 9: or
 - ii. Survey the flare by selecting a position that enables a clear view of the flare at least 15 feet, but not more than 0.25 miles, from the emission source, where the sun is not directly in the observer's eyes.
 - c. If a visible emission is observed, the owner/operator shall continue to monitor the flare for at least 3 minutes, or until there are no visible emissions, whichever is shorter.
 - d. The owner/operator shall repeat the inspection procedure for the duration of the flaring event, or until a violation is documented in accordance with Part 5. After a violation is documented, no further inspections are required until the beginning of a new calendar day.

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

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

[**Regulation 2-6-403**]

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

VI. Permit Conditions

CONDITION 18629

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

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

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

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

III. Facilities Operation

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

IV. Malfunction

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

V. Right to Entry

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

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

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

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

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

D. to sample emissions from this source.

VI. Transfer of Ownership

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

VII. Severability

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

VIII. Other Applicable Regulations

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

IX. Special Conditions

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

B. Air Pollution Control Equipment

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

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

CONDITION 18629

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

D. Operating Limitations

- 1. The gas turbines and Heat Recovery Steam Generator (HRG) burners shall be fired only on on refinery fuel gas and natural gas
- 2. The firing rate of each gas turbine/HRG burner set shall not exceed 466 MMBTU/hr.
- 3. The total fuel firing rate of the Steam/Power Plant shall not exceed 1048 MMBTU/hr.
- 4. The permit holder shall maintain records of the amount of fuel used in the gas turbines and the HRG Burners, hours of operation, sulfur content of the fuel, and the ratio of steam injected to fuel fired in each gas turbine, in a permanent form suitable for inspection. The record shall be retained for at least two years following the date of record and shall be made available to EPA upon request.

E. Emission Limits for NOx

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

F. Emission Limits for SO2

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

G. Continuous Emission Monitoring

- 1. Prior to the date of startup and thereafter, the permit holder shall install, maintain and operate the following continuous monitoring systems downstream of each of the gas turbine/HRG Burner units:
- a. Continuous monitoring systems to measure stack gas NOx and SO2 concentrations. The systems shall meet EPA monitoring performance specifications (40 CFR 60.13 and 40 CFR 60, Appendix B, Performance Specifications). Alternatively, the SO2 continuous monitor may be substituted for by a continuous monitoring system measuring H2S in the refinery fuel gas system and daily sampling for total sulfur in the fuel gas.

CONDITION 18629

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

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

- 2. The permit holder shall maintain a file of all measurements, including continuous monitoring system performance evaluations, all continuous monitoring system monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.
- 3. The permit holder shall submit a written report of SO2 emission status and all excess emissions to EPA (Attn: A-3-3) for every calendar quarter. The report shall include the following:
- a. If fuel gas samples are used to determine SO2 emissions:
- (1) The total measured sulfur concentration in each fuel gas sample for the calendar quarter.
- (2) The daily average sulfur content in the fuel gas, daily average SO2 mass emission rate (lb/hr), and total tons per year of SO2 emitted for the last 365 consecutive days. Total SO2 emissions exceeding 34 lb/hr must be identified.
- b. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
- c. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the cogeneration gas turbine system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.
- d. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.
- e. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Excess emissions shall be defined as any three-hour period during which the average emissions of NOx and/or SO2 as measured by the continuous monitoring system and/or calculated from the daily average of the total sulfur in the fuel gas, exceeds the NOx and/or SO2 maximum emission limits set for each of the pollutants in Conditions IX.E and IX.F. above

CONDITION 18629

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

g. Excess emissions indicated by the CEM system shall be considered violations of the

VI. Permit Conditions

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.

Facility Name: ConocoPhillips Company – San Francisco Refinery

Permit for Facility #: A0016

VI. Permit Conditions

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

 [Regulation 9-1-313.2]
- 3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test.

 [Regulation 6-330]

CONDITION 19476

Conditions for S-451

- 1. The total throughput at tank S-451 shall not exceed 11,000,000 barrels in any consecutive 12-month period. [Cumulative Increase]
- 2. S-451 shall comply with the following design requirements, in addition to any others required by Regulation 8, Rule 5, NSPS Subpart Kb or NESHAP Subpart CC:
 - a. adjustable roof legs, if used, must be equipped with vapor boot seals, or with an equivalent vapor loss control device approved by the District [BACT, Cumulative Increase]
- 3. Monthly records of the type and net amount of materials stored at S-451 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

Facility Name: ConocoPhillips Company – San Francisco Refinery

Permit for Facility #: A0016

VI. Permit Conditions

APPLICATION 4984; PLANT 16 CONDITIONS FOR S-50, 51, 52, 53, 54, 55, 56, 57, 58, 59

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

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

- 3. The owner/operator of emergency standby engines S-53, S-54, S-55, S-56, S-57, S-58, and S-59 shall operate these engines only for emergency use or for reliability-related activities. Operations for reliability-related activities shall not exceed 100 hours per calendar year for each engine. Operation for emergency use is unlimited. [Regulation 9-8-330]
- 4. Emergency use is defined as the use of an emergency standby engine during any of the following:
 - a. In the event of loss of regular natural gas supply;
 - b. In the event of failure of regular electric power supply;
 - c. Flood mitigation;
 - d. Sewage overflow mitigation;
 - e. Fire;
 - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Regulation 9-8-231]
- 5. Reliability-related activities is defined as the use of an emergency standby engine during any of the following: [Regulation 9-8-232]
 - a. Operation of an emergency standby engine to test its ability to perform for an emergency use;
 - b. Operation of an emergency standby engine during maintenance of a primary motor.
- 6. Each emergency standby engine shall be equipped with either: [Regulation 9-8-530]
 - a. A non-resettable totalizing meter that measures and records hours of operation.
 - b. A non-resettable fuel usage meter
- 7. All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The owner/operator shall keep a monthly log of usage that shall indicate the following:

 [Regulations 9-8-530, 1-441]
 - a. Hours of operation (total)
 - b. Hours of operation (emergency)
 - c. the nature of the emergency condition.

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

[Basis: 40 CFR 63, Subpart UUU) By April 11, 2004]

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

CONDITION 20773

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

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

 [Basis: 2-6-409.2]

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 throughput
 - b. Average daily feed rate for each calendar month 234

[Regulation 2-1-

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 234]

[Regulation 2-1-

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 avera	ge) [BACT, Cumulative
Increase]		
CO	28 ppmv @ 3% oxygen (8 hr avera	ge) 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, 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 avera	ge) [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 ppmy 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	e) [BACT, Cumulative
Increase]		
CO	28 ppmv @ 3% oxygen (8 hr averag	e) [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 averag	e) [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

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

[BACT]

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

[BACT]

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

[BACT]

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

[BACT]

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

[BACT]

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

[BACT, Cumulative Increase, Toxic Management]

CONDITION 21235

REGULATION 9-10 COMPLIANCE CONDITIONS FOR SOURCES 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-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	NO _x 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	
	U231 B-105 Heater	No	
	U267 B-601/602 Tower Pre-Heaters	Yes	
371		Yes	
372	U228 B-521 (Hydrogen Plant) Furnace	Yes	

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

VI. Permit Conditions

- 3. The owner/operator shall operate each source listed in Part 1, which does not have a NOx CEM within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 5. The ranges shall be established by utilizing data from district-approved source tests.
 - a. The NOx Box for units with a maximum firing rate of 25 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 O_2 at low-fire may be different than the minimum O_2 at high-fire. The same is true for the maximum O_2). The owner/operator shall also verify the accuracy of the O_2 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.
 - a. NOx Box ranges

Source	Emission	Min O ₂ at	Max O ₂ at	Min O2 at High	Mid O2 at	Max O2 at High

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

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

- b. Part 5a does not apply to low firing rate conditions (i.e., firing rate less than or equal to 20% of the unit's rated capacity) during startup or shutdown periods or periods of curtailed operation (ex. during heater idling, refractory dryout, etc.) lasting 5 days or less. During these conditions the means for determining compliance with the refinery-wide limit shall be accomplished using the method described in 9-10-301.2 (i.e. units out of service and 30-day averaging data).
- c. Part 5a does not apply during any source test required or permitted by this condition. See Part 7 for the consequences of source test results that exceed the emission factors in Part 5. [Regulation 9-10-502]
- 6a. The owner/operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a District-approved source test which replicates the past operation outside of the established ranges. The source test representing the new conditions shall be conducted no later than the next regularly scheduled source test period, or within eight months, whichever is sooner. The source test results will establish whether the source was operating outside of the emission factor utilized for the source. The source test results shall be submitted to the District Source Test manager within 45 days of the test. As necessary, a permit amendment shall be submitted.
 - i. Source Test <= Emission Factor

If the results of this source test do not exceed the higher NOx emission factor in Part 5, or the CO limit in Part 9, the unit will not be considered to be in violation during this period for operating out of the "box." The facility may submit an accelerated permit program permit application to request an administrative change of the permit condition to adjust the NOx Box operating range(s), based on the new test data.

ii. Source Test > Emission Factor

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

- 6b. The owner/operator must report conditions outside of box within 96 hours of occurrence.
 [Regulation 9-10-502]
- 7. For each source subject to Part 3, the owner/operator shall conduct source tests at the schedule listed below. The source tests are performed in order to measure NOx, CO, and O2 at the as-found firing rate, or at conditions reasonably specified by the APCO. The source test results shall be submitted to the District Source Test manager within 45 days of the test.
 - a. Source Testing Schedule
 - i. Heater < 25 MMBtu/hr: One source test per consecutive 12 month period. The time interval between source tests shall not exceed 16 months.
 - ii. Heaters \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]
- 8. For each source listed in Part 1 with a NOx CEM installed, the owner/operator shall conduct semi-annual District-approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District-conducted NOx CEM field accuracy tests may be substituted for the CO semi-annual source tests. [Regulation 9-10-502]

- 9. For any source listed in Part 1 for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the owner/operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO and O2. The owner/operator shall install the CEM within the time period allowed in the District's Manual of Procedures. [Regulation 9-10-502, 1-522]
- 10. In addition to records required by 9-10-504, the facility must maintain records of all source tests conducted to demonstrate compliance with Parts 1 and 5. These records shall be kept on site for at least five years from the date of entry in a District approved log and be made available to District staff upon request.

[Recordkeeping, Regulation 9-10-504]

FACILITY-WIDE REQUIREMENTS

CONDITION 20989

A. THROUGHPUT LIMITS

The following limits are imposed through this permit in accordance with Regulation 2-1-234.3. Sources require BOTH hourly/daily and annual throughput limits (except for tanks and similar liquid storage sources, and small manually operated sources such as cold cleaners which require only annual limits). Sources with previously imposed hourly/daily AND annual throughput limits are not listed below; the applicable limits are given in the specific permit conditions listed above in this section of the permit. Also, where hourly/daily capacities are listed in Table II-A, these are considered enforceable limits for sources that have a New Source Review permit. Throughput limits imposed in this section and hourly/daily capacities listed in Table II-A are not federally enforceable for grandfathered sources. Grandfathered sources are indicated with an asterisk in the source number column in the following table. Refer to Title V Standard Condition J for clarification of these limits.

In the absence of specific recordkeeping requirements imposed as permit conditions, monthly throughput records shall be maintained for each source.

	hourly / daily throughput	annual throughput limit (any consecutive 12-month period unless otherwise
source number	limit	specified)
15	Table II-A	19.9 E 6 therm total at S-15 through S-19
16	Table II-A	19.9 E 6 therm total at S-15 through S-19
17	Table II-A	19.9 E 6 therm total at S-15 through S-19
18	Table II-A	19.9 E 6 therm total at S-15 through S-19
19	Table II-A	19.9 E 6 therm total at S-15 through S-19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm
29	Table II-A	8.6 E 6 therm
30	Table II-A	4.2 E 6 therm
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*97	NA for tank	1.1 E 7 bbl
*100	NA for tank	4.38 E 6 bbl
101	NA for tank	3.68 E 9 gal
102	NA for tank	3.68 E 9 gal

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
106	NA for tank	3.68 E 9 gal
*107	NA for tank	8.76 E 6 bbl
*110	NA for tank	1.40 E 7 bbl
*111	NA for tank	1.31 E 7 bbl
*112	NA for tank	1.49 E 7 bbl
*113	NA for tank	1.49 E 7 bbl
*114	NA for tank	1.31 E 7 bbl
*115	NA for tank	4.38 E 6 bbl
*117	NA for tank	8.76 E 5 bbl
*118	NA for tank	15,000 bbl
*121	NA for tank	3.52 E 4 bbl
*122	NA for tank	4.38 E 6 bbl
*123	NA for tank	5.1 E 6 bbl
*124	NA for tank	4.38 E 6 bbl
*125	NA for tank	1.05 E 7 bbl
*126	NA for tank	1.05 E 7 bbl
*128	NA for tank	5.1 E 6 bbl
129	NA for tank	4.6 E 6 bbl
133	NA for tank	8.76 E 5 bbl
*134	NA for tank	1.31 E 7 bbl
*139	NA for tank	2.74 E 6 bbl
*140	NA for tank	2.74 E 6 bbl
150	NA for tank	4.38 E 7 bbl
151	NA for tank	4.38 E 7 bbl
*177	NA for tank	2.63 E 7 bbl
178	NA for tank	3.50 E 7 bbl
183	NA for tank	4.38 E 5 bbl
184	NA for tank	4.38 E 6 bbl
*186	NA for tank	4.38 E 6 bbl
*193	NA for tank	100 bbl
*194	NA for tank	100 bbl
*195	NA for tank	5.0 E 4 bbl
196	NA for tank	5.0 E 4 bbl
*216	NA for tank	4.6 E 6 bbl
*238	NA for tank	1.00 E 6 bbl
*239	NA for tank	8.76 E 6 bbl
*254	NA for tank	7.01 E 7 bbl
*255	NA for tank	7.01 E 7 bbl
*256	NA for tank	7.01 E 7 bbl
*257	NA for tank	7.01 E 7 bbl
*258	NA for tank	7.01 E 7 bbl
*259	NA for tank	7.01 E 7 bbl

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
*261	NA for tank	7.01 E 7 bbl
294	20 gpm	400,000 gallons
*301	Table II-A	89,425 long ton for S-301, 302, 303 (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 accordance with A/C 5814, then deleted from this table)	Table II-A	3.47 E 6 bbl
305	Table II-A	9.2 31 E 6 bbl
306	Table II-A	7.67 E 6 bbl
307	Table II-A	1.39 E 7 bbl
*308	Table II-A	5.11 E 6 bbl
*309	Table II-A	6.11 E 6 bbl
*318	Table II-A	3.3 E 7 bbl
*319	Table II-A	3.51 4.32 E 6 bbl
324	Table II-A	3.68 E 9 gallons
*334	NA for tank	6.51 E 6 bbl
336	Table II-A	9.2 E 6 therm
337	Table II-A	2.8 E 6 therm
*338	Table II-A	6.6 E 10 ft3
*339	Table II-A	5.26 E 7 bbl
340	NA for tank	7.67 E 6 bbl
341	NA for tank	4.38 E 7 bbl
342	NA for tank	4.38 E 7 bbl
343	NA for tank	4.38 E 7 bbl
351	Table II-A	8.4 E 6 therm
360	NA for tank	2.78 E 6 bbl
370	Condition 12121	4.03 E6 bbl
371	Table II-A	4.8 E6 therm for S-371/372
372	Table II-A	4.8 E6 therm for S-371/372

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)		
380	0.3 ton/hr	2,628 ton		
381	420,000 gal/hr	3.68 E 9 gal		
382	420,000 gal/hr	3.68 E 9 gal		
383	420,000 gal/hr	3.68 E 9 gal		
384	420,000 gal/hr	3.68 E 9 gal		
385	Table II-A	3.68 E 9 gal		
386	1800 gal/hr	1.6 E 7 gal		
387	Table II-A	7.884 E 6 gal		
388	Table II-A	153,300 ton		
389	0.21 ton/hr	1840 ton		
390	N/A for tank	7.884 E 6 gal		
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		
	1 4610 11 11	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

1. The owner/operator shall notify the District in writing by fax or email no less than three calendar days in advance of any scheduled startup or shutdown of any process unit, and, as soon as feasible for any unscheduled startup or shutdown of a process unit, within 48 hours or within the next normal business daybut no later than 48 hours after the unscheduled startup/shutdown. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. [Regulation 2-1-403]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), semi-annual (SA), hourly (H), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII – All Sources
Facility-Specific Generally Applicable Requirements

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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	N	None
	Regulation			lb/day AND 300 ppm total			
	8-2-301			carbon on a dry basis			
				prohibited			
VOC	BAAQMD	N		5 ton/yr per solvent, surface	None	N	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 3 320.2			requirement			

VII. Applicable Limits and Compliance Monitoring Requirements

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)	Type
VOC	NSPS	Y	2400	VOC concentrations shall	NESHAP	P/Q-visual	Visual
	Subpart Kb			not exceed 500 ppmv above	Subpart FF	and A-	inspections,
	60.112b(a)(2) and			background	61.350, 61.356(k),	measuremen ts and	portable HC detector
	NESHAP				and	reports	(EPA
	Subpart CC				61.357(d)(8)	•	Method 21)
	63.647(a)				NESHAP Subpart CC		and records of detectable
					63.642(e),		emissions,
					63.642(f) and		inspections
					63.654(i)(4)		and repairs
Opacity	BAAQMD	Y		Ringelmann No. 1 for no	None	N	None
	Regulation			more than 3 minutes/hour			
	6-301						
FP Opacit	BAAQMD	Y		Prohibition of nuisance	None	N	None
y	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous fired		
					sources		
FP	BAAQMD	Y		No emissions from source >	None for	N	None
	Regulation			rate specified in rule	gaseous fired		
	6-311				sources		
SO2	BAAQMD	Y		ground level SO2	at the request	C	SO2 GLM
	Regulation			concentrations (0.5 ppm for	of the		
	9-1-301			3 min; 0.25 ppm for 60	District, 9-1-		
				min; 0.05 ppm for 24 hr)	501 requires		
					compliance		
					with		
					BAAQMD		
					1-510		
SO2	BAAQMD	Y		300 ppm SO2 (dry)	None	N	None
	Regulation						
	9-1-302						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – All Sources Facility-Specific Generally Applicable Requirements

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	N		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	N		Ground level	BAAQMD	С	Area
	Regulation			concentrations < 0.06 ppm	9-2-501,		Monitoring
	9-2-301			averaged over 3 consecutive minutes or <	1-510, 1-530 1-540, 1-542,		
	7-2-301			0.03 ppm averaged over	1-543 and		
				any 60 consecutive minutes	1-544		

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

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A.1
Applicable Limits and Compliance Monitoring Requirements
S-2 – Unit 229, B-301 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD	Y		Federal emissions:	None	N	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						
O2		N¥	12/1/04	No limit	BAAQMD	C P/A	O2
			for		9-10-502.1		Monitor CE
			monitor-				Msource
			ing only		BAAQMD		test
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
	6-301			than 3 minutes in any hour			
FP	BAAQMD	Y		Prohibition of nuisance	None	N	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

Future Monitoring Monitoring Type of Citation FE Effective Requirement Frequency Monitoring Limit of Limit Date Limit Citation (P/C/N) Y/N Type SO2 BAAQMD 1,558 lb/day SO2 over any BAAQMD P/3 times TRS startup Condition of S-36, month (1,611 lb/day after Condition per day analysis **S-461** for 1694, Part startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit Fuel Flow Y No limit BAAQMD C Fuel 9-10-502.2 Flowmeter

Table VII – A.2

Applicable Limits and Compliance Monitoring Requirements

S-3 – UNIT 230, B-201 HEATER

			~ -	Civil 200, B 201 HE	TIBIL		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	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						

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)	Type
O2		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2
			for		9-10-502.1		Monitor sou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
Opacity	BAAQMD	Y	4/1/04	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	BAAQM	Y		No visible emissions	BAAQMD	P/E	visual
	D				Condition		inspection
	Condition				1694, Part		
	1694, Part				A.2b		
	A.2 b						
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None	N	None
	6-310.3			(gaseous fuel firing)			
FP	BAAQMD	Y	4/1/04	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.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 Date Limit Citation (P/C/N) Y/N Type SO2 BAAQMD 1,558 lb/day SO2 over any BAAQMD P/3 times TRS startup Condition of S-36, month (1,611 lb/day after Condition per day analysis 1694, Part S-461 for startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit Fuel Flow Y No limit BAAQMD C Fuel 9-10-502.2 Flowmeter

 $\label{eq:continuous} Table~VII-A.3 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-4 – UNIT 231, B-101 HEATER

	S-4 – UNII 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)	Type				
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1						
			monitor-								
			ing only		BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	N	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										

Table VII – A.3

Applicable Limits and Compliance Monitoring Requirements

S-4 – UNIT 231, 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)	Type
O2		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2
			for		9-10-502.1		Monitorsou
			monitor-				ree test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.4 Applicable Limits and Compliance Monitoring Requirements S-5 – UNIT 231, B-102 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	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						
O2		N¥	12/1/04	No limit	BAAQMD	CP/SA	O2
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						

 $\label{eq:continuous} Table\ VII-A.4$ Applicable Limits and Compliance Monitoring Requirements

S-5 – UNIT 231, B-102 HEATER

				CIVIT 2013 B 102 HE			
T. 4			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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

$\label{eq:continuous} Table~VII-A.5 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-7 – UNIT 231, B-103 HEATER

			, , ,	ONIT 201, B 100 HE			
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	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		

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
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)	Type
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		N¥	12/1/04	No limit	BAAQMD	C P/SA	02
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
Opacity	BAAQMD	Y	4/1/04	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	BAAQM	Y		No visible emissions	BAAQMD	P/E	visual
	D				Condition		inspection
	Condition				1694, Part		
	1694, Part				A.2b		
	A.2 b						
FP	BAAQMD	Y		Prohibition of nuisance	None	N	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

Future Monitoring Monitoring Type of Citation FE Effective Requirement Frequency Monitoring (P/C/N) Limit of Limit Date Citation Y/N Limit Type 4/1/04 FP BAAQMD 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 startup 1,558 lb/day SO2 over any BAAQMD P/3 times TRS Condition of S-36, month (1,611 lb/day after Condition per day analysis 1694, Part S-461 for startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit Y Fuel Flow No limit BAAQMD \mathbf{C} Fuel 9-10-502.2 Flowmeter

Table VII – A.6

Applicable Limits and Compliance Monitoring Requirements

S-8 – UNIT 240, B-1 BOUER

			. 5-0) = UNII 240, D-1 DUII		_	_
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM
				CO2)	1-520. 18		
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	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		

 $Table\ VII-A.6$ Applicable Limits and Compliance Monitoring Requirements $S\text{--8}-\text{UNIT}\ 240,\ B\text{--1}\ BOILER$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		Y		CEM for NOx and O2 or	BAAQMD	С	O2
				CO2	1-520. 18		Monitor CE
							M
O2		N¥	12/1/04	No limit	BAAQMD	С	O2
			for		9-10-502.1		Monitor CE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	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	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

 $\label{eq:continuous} \textbf{Table VII-A.6} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-8 – UNIT 240, B-1 BOILER Future Monitoring Monitoring Type of Citation FE Effective Requirement Frequency Monitoring Limit of Limit Date Citation (P/C/N) Y/N Limit Type FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for N None 6-310.3 gaseousfueled sources BAAQMD SO₂ 1,558 lb/day SO2 over any BAAQMD P/3 times TRS startup Condition of S-36, month (1,611 lb/day after Condition per day analysis 1694, Part startup of S-36 and S-461) S-461 for 1694, Part modified A.4 A.3a limit Y Fuel Flow No limit BAAQMD \mathbf{C} Fuel 9-10-502.2 Flowmeter

$\label{eq:continuous} \textbf{Table VII-A.7} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-9 – UNIT 240, B-2 BOILER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	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		

Table VII – A.7

Applicable Limits and Compliance Monitoring Requirements

S-9 – UNIT 240, B-2 BOILER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		N¥	12/1/04	No limit	BAAQMD	C P/SA	02
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.8

Applicable Limits and Compliance Monitoring Requirements

S-10 – UNIT 240, B-101 HEATER

			Future	UNII 240, B-101 III	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	Of Limit	¥	Date	CEM for NOx and O2 or	BAAQMD	C	CEM
HOA		+		CO2	1-520.8	0	CEM
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
NOX	9-10-301	IN T	12/1/04 for	0.033 lb NOx/ MMBTU	9-10-502.1	C	CEM
	9-10-301		monitor-	0.033 IO NOX/ WIVID I U	9-10-302.1		
NO	D 4 4 6 1 4 D	3.7	ing only	T 1 1 ' '	.	N	N
NOx	BAAQMD	Y		Federal emissions:	None	N	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		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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		N¥	12/1/04	No limit	BAAQMD	C	O2
			for		9-10-502.1		Monitor CE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for	** · · · · · · · · · · · · · · · · · ·	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
			0 · V		Condition		
					21235, Part 8		
					21200, 1 ait 0		

 $\label{eq:continuous} Table~VII-A.8 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-10 – UNIT 240, B-101 HEATER

			5-10	ONI 240, B-101 HE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	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	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.9 Applicable Limits and Compliance Monitoring Requirements S-11 – UNIT 240, B-201 HEATER

Future Monitoring Monitoring Effective FE Requirement Frequency Type of Citation Monitoring Limit of Limit Date Limit Citation (P/C/N) Type

Table VII – A.9

Applicable Limits and Compliance Monitoring Requirements

S-11 – UNIT 240, B-201 HEATER

Future Monitoring Monitoring FE Type of Citation **Effective** Requirement Frequency Monitoring Limit of Limit Citation (P/C/N) Y/N Date Limit Type N¥ 12/1/04 NOx BAAQMD Refinery-wide emissions: **BAAQMD** P/SA source test 9-10-301 0.033 lb NOx/ MMBTU 9-10-502.1 monitoring only **BAAOMD** Condition 21235, Part 7 NOx BAAQMD Y Federal emissions: None N None 9-10-303 Refinery-wide emissions: 0.20 lb NOx/MMBTU All BAAQMD NYheat ratings, firing limits BAAQMD P/D records combustion Condition (see condition) Condition 1694, Part emissions 1694, Part A.1 A.5 BAAQMD Y 993.7 MM BTU/hr BAAQMD P/M all records combustion Condition averaged over any year at Condition 1694, Part F.3 1694, Part S-8, S-9, S-10, S-11, S-12, emissions F.1 S-13, S-14 O2 N¥ 12/1/04 No limit CP/SA O_2 BAAQMD for 9-10-502.1 Monitorsou monitorrce test ing only **BAAQMD Condition** 21235, Part 2 CO BAAQMD NY12/1/04 400 ppmv (dry, 3% O₂) P/SA **BAAQMD** source test 9-10-305 for 9-10-502.1 monitoring only **BAAOMD** Condition 21235, Part 7 BAAQMD Y Ringelmann 1 for no more None for Ν Opacity None 6-301 than 3 minutes in any hour gaseousfueled sources

 $\label{eq:continuous} \textbf{Table VII-A.9} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-11 – UNIT 240, B-201 HEATER

			D 11	- UNII 240, D-201 HE	TITLE		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.10
Applicable Limits and Compliance Monitoring Requirements
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)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	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		

Table VII – A.10 **Applicable Limits and Compliance Monitoring Requirements** S-12 – Unit 240, B-202 Heater

	1		5-12	- UNII 240, D-202 III			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.11
Applicable Limits and Compliance Monitoring Requirements
S-13 – UNIT 240, B-301 HEATER

			Future	UNII 240, D-301 III	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	OI LIIIII	¥	Date	CEM for NOx and O2 or	BAAQMD	(I/C/N)	CEM
IVOX		+		CO2	1-520.8	D	CEWI
NO	D 4 4 6 1 4 D	NIXZ	12/1/04				CEN 4
NOx	BAAQMD	N Y	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	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		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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		N¥	12/1/04	No limit	BAAQMD	С	O2
			for		9-10-502.1		Monitor CE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for	2/	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		
	1				21200, 1 ait 0		

 $\label{eq:continuous} Table~VII-A.11 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

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)	Type
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	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	N	None
	6-305						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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 FE Effective Requirement Frequency Type of Citation Monitoring Limit of Limit Y/N Date Limit Citation (P/C/N) Type NO_x ¥ CEM for NOx and O2 or **BAAQMD** C **CEM** 1-520.8 CO2

Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S-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
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	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		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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		N¥	12/1/04	No limit	BAAQMD	C	O2
			for		9-10-502.1		Monitor CE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		

 $\label{eq:continuous} Table~VII-A.12\\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-14 – UNIT 240, B-401 HEATER

			~ 1.	- UNII 240, D-401 HE			1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	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	N	None
	6-305						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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

$\label{eq:continuous} Table~VII-A.13$ Applicable Limits and Compliance Monitoring Requirements

S-15 – UNIT 244, B-501 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S-15 – UNIT 244, 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)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	C	CEM
1,0,1	9-10-301	111	for	0.033 lb NOx/ MMBTU	9-10-502.1		021/1
			monitor-		, ., ., .,		
			ing only				
NOx	BAAQMD	Y	3 ,	Federal emissions:	None	N	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		N¥	12/1/04	No limit	BAAQMD	С	O2
			for		9-10-502.1		MonitorCE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None

 $\label{eq:continuous} Table~VII-A.13$ Applicable Limits and Compliance Monitoring Requirements

S-15 - UNIT 244, 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)	Type
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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 6.0 E 6 therm/yr (total)	BAAQMD	P/M	records
	Condition			at S-15, S-16, S-17, S-18,	Condition		
	20989,			S-19	20989, Part A		
	Part A						

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
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	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		

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 Citation (P/C/N) Y/N Date Limit Type N¥ O2 12/1/04 No limit BAAQMD C **O2** 9-10-502.1 **Monitor**CE for monitor-M ing only **BAAQMD** Condition 21235, Part 2 ¥ CEM for NOx and O2 or **BAAQMD** C **CEM** CO2 1-520.8 CO BAAQMD 12/1/04 400 ppmv (dry, 3% O₂) NYBAAQMD P/SA source test 9-10-305 9-10-502.1 for monitoring 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 gaseousfueled sources FP BAAQMD Y Prohibition of nuisance None None N 6-305 FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for N None 6-310.3 gaseousfueled sources SO₂ BAAQMD TRS 1,558 lb/day SO2 over any BAAQMD P/3 times startup Condition of S-36, month (1,611 lb/day after Condition per day analysis 1694, Part S-461 for startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit Fuel Flow Y No limit **BAAQMD** C Fuel 9-10-502.2 Flowmeter

$\label{eq:continuous} Table~VII-A.14 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

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)	Type
throughput	BAAQMD	Y		19.9 6.7 E 6 therm/yr (total)	BAAQMD	P/M	records
	Condition			at S-15, S-16, S-17, S-18,	Condition		
	20989,			S-19	20989, Part A		
	Part A						

$\label{eq:continuous} Table~VII-A.15$ Applicable Limits and Compliance Monitoring Requirements

S-17 - UNIT 244, B-503 HEATER

	S-17 - UNII 244, B-303 HEATER												
			Future		Monitoring	Monitoring							
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring						
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	C	CEM						
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1								
			monitor-										
			ing only										
NOx	BAAQMD	Y		Federal emissions:	None	N	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		N¥	12/1/04	No limit	BAAQMD	С	O2						
			for		9-10-502.1		MonitorCE						
			monitor-				M						
			ing only		BAAQMD								
					Condition								
					21235, Part 2								
		¥		CEM for NOx and O2 or	BAAQMD	E	CEM						
				CO2	1-520.8								

 $\label{eq:continuous} Table~VII-A.15$ Applicable Limits and Compliance Monitoring Requirements

S-17 – UNIT 244, B-503 HEATER

ST/ ONITZTI, B 300 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305		for		9-10-502.1						
			monitor-								
			ing only		BAAQMD						
					Condition						
					21235, Part 8						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None				
	6-305										
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		S-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	-	19.94.7 E 6 therm/yr (total)	BAAQMD	P/M	records				
	Condition			at S-15, S-16, S-17, S-18,	Condition						
	20989,			S-19	20989, Part A						
	Part A										

Table VII – A.16 Applicable Limits and Compliance Monitoring Requirements

S-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
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
NO	DAAOMD	Y	ing only	Federal emissions:	N	N	Nana
NOx	BAAQMD	ĭ			None	N	None
	9-10-303			Refinery-wide emissions: 0.20 lb NOx/MMBTU			
All	DAAOMD	N¥			BAAQMD	P/D	records
combustion	BAAQMD Condition	IN T		heat ratings, firing limits (see condition)	Condition	Γ/D	records
emissions	1694, Part			(see condition)	1694, Part		
CHIISSIONS	A.1				A.5		
O2	A.1	N¥	12/1/04	No limit	BAAQMD	C	O2
02		111	for	NO mint	9-10-502.1	C	Monitor CE
			monitor-		<i>y</i> -10-302.1		M
			ing only		BAAQMD		141
			ing only		Condition		
					21235, Part 2		
		¥		CEM for NOx and O2 or	BAAQMD	E	CEM
				CO2	1-520.8		
СО	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S-18 – UNIT 244, B-504 HEATER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 1694, Part A.4	Y	startup of S-36, S-461 for modified	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	limit	No limit	BAAQMD 9-10-502.2	С	Fuel Flowmeter
throughput	BAAQMD Condition 20989, Part A	Y		19.91.9 E 6 therm/yr (total) at S-15, S-16, S-17, S-18, S-19	BAAQMD Condition 20989, Part A	P/M	records

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)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	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		

 $\label{eq:continuous_continuous_continuous} Table~VII-A.17$ Applicable Limits and Compliance Monitoring Requirements

S-19 – UNIT 244, B-505 HEATER

	S-19 - UNII 244, B-303 HEATER													
			Future		Monitoring	Monitoring								
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring							
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type							
O2		N¥	12/1/04	No limit	BAAQMD	С	O2							
			for		9-10-502.1		MonitorCE							
			monitor-				M							
			ing only		BAAQMD									
					Condition									
					21235, Part 2									
		¥		CEM for NOx and O2 or	BAAQMD	C	CEM							
				CO2	1-520.8									
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test							
	9-10-305		for		9-10-502.1									
			monitor-											
			ing only		BAAQMD									
					Condition									
					21235, Part 8									
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None							
	6-301			than 3 minutes in any hour	gaseous-									
					fueled									
					sources									
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None							
	6-305													
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None							
	6-310.3				gaseous-									
					fueled									
					sources									
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS							
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis							
	1694, Part		S-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							

$\label{eq:continuous} Table~VII-A.17$ 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)	Type
throughput	BAAQMD	Y		19.9 0.6 E 6 therm/yr (total)	BAAQMD	P/M	records
	Condition			at S-15, S-16, S-17, S-18,	Condition		
	20989,			S-19	20989, Part A		
	Part A						

$\label{eq:continuous} Table~VII-A.18$ Applicable Limits and Compliance Monitoring Requirements

S-20 – UNIT 244, B-506 HEATER

	5-20 - CNII 244, D-300 HEATEN												
			Future		Monitoring	Monitoring							
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring						
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/A	source test						
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1								
			monitor-										
			ing only		BAAQMD								
					Condition								
					21235, Part 7								
NOx	BAAQMD	Y		Federal emissions:	None	N	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		N¥	12/1/04	No limit	BAAQMD	C P/A	O2						
			for		9-10-502.1		Monitorsou						
			monitor-				rce test						
			ing only		BAAQMD								
					Condition								
					21235, Part 2								

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S-20 – UNIT 244, B-506 HEATER

Future Monitoring Monitoring Type of FE Requirement Citation **Effective** Frequency Monitoring Limit of Limit Citation (P/C/N) Y/N Date Limit Type CO BAAQMD N¥ 12/1/04 400 ppmv (dry, 3% O₂) **BAAQMD** P/A source test 9-10-305 9-10-502.1 for monitoring 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 gaseousfueled sources Y FP BAAQMD Prohibition of nuisance None None N 6-305 FP BAAQMD 0.15 grain/dscf @ 6% O2 None for Ν None 6-310.3 gaseousfueled sources SO2 BAAQMD startup 1,558 lb/day SO2 over any BAAQMD P/3 times TRS Condition of S-36, month (1,611 lb/day after Condition per day analysis 1694, Part S-461 for startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit Fuel Flow Y No limit **BAAQMD** C Fuel 9-10-502.2 Flowmeter throughput **BAAQMD** 1.9 E 6 therm/yr BAAQMD P/M records Condition Condition 20989, 20989, Part A Part A

Table VII – A.19 Applicable Limits and Compliance Monitoring Requirements S-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)	Type
All	BAAQMD	N	= 3330	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	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of Nuisance	None for	N	None
	6-305				gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.20 Applicable Limits and Compliance Monitoring Requirements 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)	Type

Table VII – A.20
Applicable Limits and Compliance Monitoring Requirements

S-22 – Unit 248, B-606 Heater

	S-22 - UNII 246, D-000 HEATER									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test			
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1					
			monitor-							
			ing only		BAAQMD					
					Condition					
					21235, Part 7					
NOx	BAAQMD	Y		Federal emissions:	None	N	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		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2			
			for		9-10-502.1		Monitorsou			
			monitor-				ree test			
			ing only		BAAQMD					
					Condition					
					21235, Part 2					
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305		for		9-10-502.1					
			monitor-							
			ing only		BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None			
	6-305									

 $\label{eq:continuous} Table~VII-A.20$ Applicable Limits and Compliance Monitoring Requirements

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)	Type
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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		2.6 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\label{eq:continuous_problem} Table~VII-A.21$ Applicable Limits and Compliance Monitoring Requirements

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)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S-29 – UNIT 200, B-5 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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

$\label{eq:continuous} Table~VII-A.21 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-29 – Unit 200, B-5 Heater

	GL. I		Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		8.6 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

$\label{eq:continuous} Table~VII-A.22$ Applicable Limits and Compliance Monitoring Requirements

S-30 – UNIT 200, B-101 HEATER

	S-30 - UNII 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)	Type			
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test			
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1					
			monitor-							
			ing only		BAAQMD					
					Condition					
					21235, Part 7					
NOx	BAAQMD	Y		Federal emissions:	None	N	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		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2			
			for		9-10-502.1		Monitorsou			
			monitor-				rce test			
			ing only		BAAQMD					
					Condition					
					21235, Part 7					

Table VII – A.22
Applicable Limits and Compliance Monitoring Requirements
S-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)	Type
СО	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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		4.2 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 $S\text{--}31-\text{UNIT}\ 200,\ B\text{--}501\ HEATER}$

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-10-301	N¥	12/1/04 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
O2		N¥	12/1/04 for monitor- ing only	No limit	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 2	C P/A	O2 Monitorsou ree test
СО	BAAQMD 9-10-305	N¥	12/1/04 for monitor- ing only	400 ppmv (dry, 3% O ₂)	BAAQMD 9-10-502.1 BAAQMD Condition 21235, Part 7	P/A	source test
Opacity	BAAQMD 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	N	None

$\label{eq:continuous} Table~VII-A.23 \\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-31 - UNIT 200, B-501 HEATER Future Monitoring Monitoring Type of Citation FE Effective Requirement Frequency Monitoring Limit of Limit Date Citation (P/C/N) Y/N Limit Type SO2 BAAQMD 1,558 lb/day SO2 over any BAAQMD P/3 times TRS startup Condition of S-36, month (1,611 lb/day after Condition per day analysis **S-461** for 1694, Part startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit Fuel Flow Y No limit BAAQMD C Fuel 9-10-502.2 Flowmeter BAAQMD throughput Y 1.7 E 6 therm/yr BAAQMD P/M records Condition Condition 20989, 20989, Part A Part A

Table VII – A.24 Applicable Limits and Compliance Monitoring Requirements S-36 – UNIT 200, B-102 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y	startup	CEM for NOx and O2 (or CO2)	BAAQMD 1-520.8	C	CEM
NOx	BAAQM D Condition 21097, Part 3b	Y	after initial perform ance test	10 ppmv NOx at 3% O2 (3 hour average), except startups and shutdowns	BAAQMD Condition 21097, Part 5a	C	CEM
All combustio n emissions	BAAQM D Condition 21097, Part 2	Y	startup	heat ratings, firing limits	BAAQMD Condition 21097, Part 4	С	continuous fuel flow monitor

Table VII – A.24 Applicable Limits and Compliance Monitoring Requirements S-36 – UNIT 200, B-102 HEATER

Table VII – A.24 Applicable Limits and Compliance Monitoring Requirements S-36 – UNIT 200, B-102 HEATER

			~ ~ ~ ~	CIVII 200, D 102 IIE			1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP	BAAQM	Y	startup	0.15 grain/dscf @ 6% O2	None for	N	None
	D 6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQM	Y	startup	1,611 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	D			month	Condition	per day	analysis
	Condition				1694, Part		
	1694, Part				A.3a		
	A.4						
TRS	BAAQM	Y	startup	100 ppmv TRS (1 day	BAAQMD	C	TRS
	D			average), 45 ppmv TRS	Condition		analysis
	Condition			(annual average)	21097, Part		
	21097,				7a, 7b		
	Part 6						
H2S	40 CFR	Y	startup	fuel gas H2S	40 CFR 60	C	H2S
	60			concentration limited to	Subpart J		analyzer
	Subpart J			230 mg/dscm (0.10	60.105(a)(4)		
	60.104(a)			gr/dscf) except for gas			
	(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.2524
Applicable Limits and Compliance Monitoring Requirements
S-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)	Type
NOx		Y	12/1/04	CEM for NOx and O2 (or	BAAQMD	С	CEM
			for	CO2)	1-520.8		
			monitor-				
			ing only				
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
NOx	BAAQMD	Y		40 ppmv NOx at 3% O2	BAAQMD	C	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 1-520.8		
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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		N¥	12/1/04	No limit	BAAQMD	С	O2
			for		9-10-502.1		MonitorCE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	С	O2
					Condition		Monitor CE
					1694, Part		M
					D.4		
СО	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		

Table VII – A.2524 Applicable Limits and Compliance Monitoring Requirements S-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)	Type
CO	BAAQMD	N¥	12/1/04	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition		for	any month, except startups	9-10-502.1		
	1694, Part		monitor-	and shutdowns, at S-43, S-			
	D.3		ing only	44	BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		During tube cleaning,	None for	N	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	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				

Table VII – A.2524 Applicable Limits and Compliance Monitoring Requirements

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)	Type
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	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	C	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.2625 Applicable Limits and Compliance Monitoring Requirements 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)	Type
NOx		Y	12/1/04	CEM for NOx and O2 (or	BAAQMD	C	CEM
			for	CO2)	1-520.8		
			monitor-				
			ing only				
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				

Table VII – A.2625 Applicable Limits and Compliance Monitoring Requirements

S-44 - UNIT 200, B-201 HEATER **Future Monitoring Monitoring** Type of FE Effective Requirement Citation Frequency Monitoring Limit of Limit Citation (P/C/N) Y/N Date Limit Type NOx BAAQMD None Ν Y Federal emissions: None 9-10-303 Refinery-wide emissions: 0.20 lb NOx/MMBTU NOx BAAQMD Y 40 ppmv NOx at 3% O2 **BAAQMD** C CEM Condition Condition over any 8 hours, except 1694, Part startups and shutdowns, at 1694, Part D.2 S-43, S-44 D.4 BAAQMD N¥ heat ratings, firing limits P/D All BAAQMD records Condition (see condition) Condition combustion emissions 1694, Part 1694, Part A.5 A.1 02 ¥ CEM for NOx and O2 or **BAAQMD** \mathbf{c} **CEM** 1-520.8 CO₂ C O2 N¥ 12/1/04 No limit BAAQMD **O2** 9-10-502.1 **Monitor**CE for monitor-M ing only **BAAQMD** Condition 21235, Part 2 C Y No limit BAAQMD **O2** O2 Condition Monitor CE 1694, Part M D.4 CO BAAQMD N¥ 12/1/04 400 ppmv (dry, 3% O₂) **BAAQMD** P/SA source test 9-10-305 for 9-10-502.1 monitor-**BAAQMD** ing only **Condition**

21235, Part 8

Table VII – A.2625 Applicable Limits and Compliance Monitoring Requirements

			ruture		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
СО	BAAQMD	Y	12/1/04	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition		for	any month, except startups	9-10-502.1		
	1694, Part		monitor-	and shutdowns, at S-43, S-			
	D.3		ing only	44	BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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			

Table VII – A.2625 Applicable Limits and Compliance Monitoring Requirements 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)	Type
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		3.8 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.2726 Applicable Limits and Compliance Monitoring Requirements S-50, S-51, S-52 – TURBINE STARTUP ENGINES

			0, 5 51, 8	5-32 - TURBINE STAR	LOT ETTOTIVE	,	
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	N	N/A
	6-303.1			more than 3 minutes in any			
				hour			
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 gr/dscf	None	N	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		
				horsepower which operate			
				less than 200 hours in any			
				12-consecutive month			
				period			
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.2827
Applicable Limits and Compliance Monitoring Requirements
S-53, S-54, S-55, S-56, S-57, S-58, S-59 – EMERGENCY DIESEL ENGINES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	N	N/A
	6-303.1			more than 3 minutes in any			
				hour			
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 gr/dscf	None	N	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.2928 Applicable Limits and Compliance Monitoring Requirements S-336 – UNIT 231, B-104 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	semi-annual
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		source test
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.2928 Applicable Limits and Compliance Monitoring Requirements

S-336 – UNIT 231, B-104 HEATER

T. C	G: , :	EE	Future		Monitoring	Monitoring	7.6
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				

$\label{eq:continuous} Table~VII-A. 2928\\ Applicable~Limits~and~Compliance~Monitoring~Requirements$

S-336 – UNIT 231, B-104 HEATER

			5-550	ONI 231, B-104 III			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	C	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	C	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.3029 Applicable Limits and Compliance Monitoring Requirements 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)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		

Table VII – A.3029 Applicable Limits and Compliance Monitoring Requirements

S-337 – UNIT 231, B-105 HEATER

				- UNII 231, D-103 III			1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		Federal emissions:	None	N	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		N¥	12/1/04	No limit	BAAQMD	C P/SA	O2
			for		9-10-502.1		Monitorsou
			monitor-				rce test
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				

Table VII – A.3029 Applicable Limits and Compliance Monitoring Requirements

S-337 – UNIT 231, B-105 HEATER

			5-557	OMII 231, D-103 III	1		1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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.3130 Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y	12/1/04	CEM for NOx and O2 (or	BAAQMD	C	CEM
			for	CO2)	1-520.8		
			monitor-				
			ing only				

Table VII – A.3130 Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	BAAQMD	C	NOx, O2
	Condition			over any 3 hours, except	Condition		CEM
	1694, Part			startups and shutdowns, at	1694, Part		
	B.2			S-351	B.3		
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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
O2		N¥	12/1/04	No limit	BAAQMD	С	O2
			for		9-10-502.1		Monitor CE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	C	O2
					Condition		Monitor CE
					1694, Part		M
					B.3		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		

Table VII – A.3130 Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-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.3231 Applicable Limits and Compliance Monitoring Requirements

S-371 – UNIT 228, B-520 FURNACE

				— UNII 220, D-320 FU				
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type	
NOx		¥		CEM for NOx and O2 or	BAAQMD	ϵ	CEM	
				CO2	1-520.8			
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	C	CEM	
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1			
			monitor-					
			ing only					
NOx	BAAQMD	Y		Federal emissions:	None	N	None	
	9-10-303			Refinery-wide emissions:				
				0.20 lb NOx/MMBTU				
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	NoneBAAQ	С	CEM	
	Condition			over any 3 hours, except	MD			
	1694, Part			startups and shutdowns	1-520.8			
	C.2							
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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM	
				CO2	1-520.8			
O2		N¥	12/1/04	No limit	BAAQMD	С	O2	
			for		9-10-502.1		MonitorCE	
			monitor-				M	
			ing only		BAAQMD			
					Condition			
					21235, Part 2			
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test	
	9-10-305		for		9-10-502.1			
			monitor-					
			ing only		BAAQMD			
					Condition			
					21235, Part 8			
	μ				=1200, 1 ait 0			

Table VII – A.3231 Applicable Limits and Compliance Monitoring Requirements

S-371 – UNIT 228, B-520 FURNACE Future **Monitoring** Monitoring FE Type of Citation Effective Requirement Frequency Monitoring Limit of Limit Citation (P/C/N) Y/N Date Limit Type CO BAAQMD Y 12/1/04 50 ppmv CO at 3% O2 over BAAQMD P/SA source test Condition any 3 hours, except startups 9-10-502.1 for 1694, Part monitorand shutdowns C.3 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 gaseousfueled sources **FPOpacity** BAAQMD Y Prohibition of nuisance None N None 6-305 FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for Ν None 6-310.3 gaseousfueled sources SO2 BAAQMD startup 1,558 lb/day SO2 over any BAAQMD P/3 times TRS Condition of S-36, month (1,611 lb/day after Condition per day analysis 1694, Part S-461 for startup of S-36 and S-461) 1694, Part modified A.4 A.3a limit 40 CFR 60 fuel gas H2S concentration 40 CFR 60 H2S Y C 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

Type of

Limit

Fuel Flow

throughput

Condition

20989,

Part A

Table VII – A.3231 Applicable Limits and Compliance Monitoring Requirements S-371 – UNIT 228, B-520 FURNACE

Future Monitoring Monitoring Citation FE Effective Requirement Frequency Monitoring of Limit Date Limit Citation (P/C/N) Y/N Type Y No limit BAAQMD C Fuel 9-10-502.2 Flowmeter BAAQMD 4.8 E 6 therm/yr for S-371 BAAQMD P/M records

Condition

20989, Part A

Table VII – A.3332 Applicable Limits and Compliance Monitoring Requirements S-372 – UNIT 228, B-521 FURNACE

and S-372 combined

			5-572	CNII 220, B-321 I C			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
NOx	BAAQMD	N¥	12/1/04	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		for	0.033 lb NOx/ MMBTU	9-10-502.1		
			monitor-				
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	NoneBAAQ	С	NOx, O2
	Condition			over any 3 hours, except	MD		CEM
	1694, Part			startups and shutdowns	1-520.8		
	C.2						
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		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		

Table VII – A.3332 Applicable Limits and Compliance Monitoring Requirements

S-372 – UNIT 228, B-521 FURNACE

			5-512	- CMI 220, B-321 F0			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
O2		N¥	12/1/04	No limit	BAAQMD	C	O2
			for		9-10-502.1		Monitor CE
			monitor-				M
			ing only		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N¥	12/1/04	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		for		9-10-502.1		
			monitor-				
			ing only		BAAQMD		
					Condition		
					21235, Part 8		
CO	BAAQMD	Y	12/1/04	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition		for	any 3 hours, except startups	9-10-502.1		
	1694, Part		monitor-	and shutdowns			
	C.3		ing only		BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S-461 for	startup of S-36 and S-461)	1694, Part		
	A.4		modified		A.3a		
			limit				

Table VII – A.3332 Applicable Limits and Compliance Monitoring Requirements

S-372 – UNIT 228, B-521 FURNACE

			Future	,	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
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	C	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.3433 Applicable Limits and Compliance Monitoring Requirements S-438 – Unit 110, H-1 Furnace

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		¥		CEM for NOx and O2 or	BAAQMD	C	CEM
				CO2	1-520.8		
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2	None BAAQ	C	CEM
	Condition			over any 3 hours, except	MD		
	1694, Part			startups and shutdowns, at	1-520.8		
	E.4			S-438			

Table VII – A.3433 Applicable Limits and Compliance Monitoring Requirements

S-438 – UNIT 110, H-1 FURNACE

	S-430 - UNII 110, H-1 FURNACE										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
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		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 limitCEM for NOx and	NoneBAAQ	С	O2				
				O2 or CO2	MD		Monitor CE				
					1-520.8		M				
СО	BAAQMD	Y		32 ppmv CO at 3% O2 over	None	N	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	N	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)							

Table VII – A.3433 Applicable Limits and Compliance Monitoring Requirements

S-438 – UNIT 110, H-1 FURNACE

	S-430 - UNII 110, II-1 FURNACE											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None					
	6-305											
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y	startup	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		of S-36,	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		S-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.35
Applicable Limits and Compliance Monitoring Requirements
S-461 – UNIT 250, B-701 HEATER

Type of Limit NOx	Citation of Limit	FE Y/N Y	Future Effective Date startup	Limit CEM for NOx and O2 (or CO2) 10 ppmv NOx at 3% O2	Monitoring Requirement Citation BAAQMD 1-520.8 BAAQMD	Monitoring Frequency (P/C/N) C	Monitoring Type CEM
	D Condition 21096, Part 3b		initial perform ance test	(3 hour average), except startups and shutdowns	Condition 21096, Part 5a		
All combustio n emissions	BAAQM D Condition 21096, Part 2	Y	startup	heat ratings, firing limits (see condition)	BAAQMD Condition 21096, Part 4	C	continuous fuel flow monitor
O2		Y	startup	No limit	BAAQMD Condition 21096, Part 5a	C	O2 Monitor CE M
СО	BAAQM D Condition 21096, Part 3b	Y	after initial perform ance 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	BAAQM D Condition 21096, Part 3b	Y	after initial perform ance test	5.5 lb POC per MM ft3 of fuel	BAAQMD Condition 21096, Part 8	E/startup	source test
PM10	BAAQM D Condition 21096, Part 3b	Y	after initial perform ance test	7.6 lb PM10 per MM ft3 of fuel	BAAQMD Condition 21096, Part 8	E/startup	source test

Table VII – A.35 Applicable Limits and Compliance Monitoring Requirements S-461 – UNIT 250, B-701 HEATER

S-401 - UNII 230, D-701 HEATER												
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
ammonia	BAAQM	N	after	10 ppmv amonia at 3%	BAAQMD	E/startup	source test					
	D		initial	O2 (8 hour average),	Condition							
	Condition		perform	except startups and	21096, Part 8							
	21096,		ance test	shutdowns								
	Part 3b											
Opacity	BAAQM	Y	startup	Ringelmann 1 for no more	None for	N	None					
	D 6-301			than 3 minutes in any	gaseous-							
				hour	fueled							
					sources							
FP	BAAQM	Y	startup	Prohibition of nuisance	None for	N	None					
	D 6-305				gaseous-							
					fueled							
					sources							
FP	BAAQM	Y	startup	0.15 grain/dscf @ 6% O2	None for	N	None					
	D 6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQM	Y	startup	1,611 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	D			month	Condition	per day	analysis					
	Condition				1694, Part							
	1694, Part				A.3a							
	A.4											
TRS	BAAQM	Y	startup	100 ppmv TRS (1 day	BAAQMD	C	TRS					
	D			average), 45 ppmv TRS	Condition		analysis					
	Condition			(annual average)	21096, Part							
	21096,				7a, 7b							
	Part 6											

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S-461 – UNIT 250, B-701 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR	Y	startup	fuel gas H2S	40 CFR 60	C	H2S
	60			concentration limited to	Subpart J		analyzer
	Subpart J			230 mg/dscm (0.10	60.105(a)(4)		
	60.104(a)			gr/dscf) except for gas			
	(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 – 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)	Type
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

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y	2400	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

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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)		
VOC	NSPS	¥		Roof openings shall be	NSPS	P/SA	Visual
	Subpart			equipped with a gasketed	Subpart		inspections
	QQQ, 40			cover, sela, or lid	QQQ, 40		
	CFR			maintained in a closed	CFR 60.693-		
	60.693 -			position	2(a)(5)(i)		
	2(a)(2)						
through-	BAAQMD	Y		maximum design	None	N	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		
	A						

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)	Type

Table VII – D **Applicable Limits and Compliance Monitoring Requirements**

S-1007 DISSOLVED AIR FLOTATION UNIT

T	C'1.1'			ISSULVED AIR FLUTA		Mr	
Type of	Citation	-	Future		Monitoring	Monitoring	
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
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	N	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 - E Applicable Limits and Compliance Monitoring Requirements

S-381 AERATION TANK F-201 S-382 AERATION TANK F-202 S-383 CLARIFIER F-203

S-384 CLARIFIER F-204

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		
	A						

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S-1008 PRIMARY STORMWATER BASIN
S-1009 MAIN STORMWATER BASIN

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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		
	A						

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

				EMITED THE SECURIT			
Type of	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.c						

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)	Type
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		
	A			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)	Type
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)						

Table VII – I

Applicable Limits and Compliance Monitoring Requirements

WASTEWATER PROCESS SEWERS/SEWER LINES

	WASTEWATER I ROCESS SEWERS/SEWER LINES											
			Future		Monitoring	Monitoring						
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
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 – J

Applicable Limits and Compliance Monitoring Requirements

WASTEWATER GAUGING AND SAMPLING DEVICES

Future Monitoring Monitoring Type of Citation of FE Effective Requirement Frequency Monitoring Limit Limit Date Citation (P/C/N) Y/N Limit Type VOC BAAQMD **BAAQMD** N Portable Vapor tight gauging and 8-8-504 8-8-303 sampling devices 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)	Type
VOC	BAAQMD	Y		Vapor recovery	BAAQMD	A	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	N		98% or highest vapor	None	N	None
	Regulation			recovery rate specified			
	8-7-301.10			by CARB			

Table VII – K Applicable Limits and Compliance Monitoring Requirements 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)	Type
VOC	None			None	BAAQMD	A	Backpressure
					Regulation		test
					8-7-302.14		
VOC	BAAQMD	N		Fugitives ≤ 0.42	None	N	None
	Regulation			lb/1000 gallon			
	8-7-313.1						
VOC	BAAQMD	N		Spillage ≤ 0.42	None	N	None
	Regulation			lb/1000 gallon			
	8-7-313.2						
VOC	BAAQMD	N		Liquid Retain +	None	N	None
	Regulation			Spitting ≤ 0.42			
	8-7-313.3			lb/1000 gallon			
VOC	SIP	Y		95% recovery of	None	N	None
	Regulation			gasoline vapors			
	8-7-301.2						
VOC	California	N		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-						
	101						
throughpu	BAAQMD	N		400,000 gal/yr	BAAQMD	P/A	Records
t	Condition				Regulation		
	7523				8-7-503		
					DAAOMD	D/M	Dags :: 4-
					BAAQMD Condition	P/M	Records
					20989, Part A		
throughpu	BAAQMD	Y		20 cmm	None None	N	None
tnrougnpu	Condition	I		20 gpm	None	IN .	none
'	20989, Part						
	20989, Fait A						
	А						

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]

[I lai C	s which ar	CVIS		pected upon release, v			system
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y	12 /1/04	Ringelmann No. 1 for no	BAAQMD	P/E	Visual
	Regulation			more than 3 minutes/hr	Condition		Inspection
	6-301				18255, Part 41		
Opacity	60.18(c)(1)	Y		no visible emissions	60.18(f)(1)	P/E	Visual
					and		Inspection
	[S-398				BAAQMD		
	only]				Condition		
					18255, Part 4		
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	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 41		-
SO2	60.104(a)(1	Y		S-398 is exempt per	None	N	None
)			restriction in Condition			
				18255, Part 72 ; does not			
				apply to S-296			
All	60.18(c)(2)	Y		flame present at all times	60.18(f)(2)	C	Thermocou
				_			ple
	[S-398						
	only]						
All	60.18(c)(3)(Y		minimum net heating	60.18(f)(3)	P/E	calculation
	ii)			value of combusted gas is			
				300 BTU/scf			
	[S-398						
	only]						
All	60.18(c)(4)(Y		exit velocity less than 60	60.18(f)(4)	P/E	calculation
	i)			ft/sec			
	[S-398						
	only]						
All		N	12/4/03		BAAQMD	P/C	Flow Rate
					Regulation 12-		
					11-501 &		
					12-11-505		
All		N	9/4/03		BAAQMD	P/E	Composition
					Regulation		
					12-11-502.1 &		
1					12-11-505		

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]

[I lai C		C 715		pected upon release, v		8	system
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
All		N	3/4/04		BAAQMD	P/E	Composition
					Regulation		
					12-11-502.3 &		
					12-11-505		
All		N			BAAQMD	P/C	Flame
					Regulation		Detector
					12-11-503 &		
					12-11-505		
All		N			BAAQMD	P/C	Purge Gas
					Regulation		Flow Rate
					12-11-504 &		
					12-11-505		
All		N	12/4/03		BAAQMD	P/C	1 frame per
			(if video		Regulation 12-		minute
			monitor		11-507		image video
			installed				recording
			by				
			1/1/03)				
All		N	12/4/03		BAAQMD	P/C	1 frame per
			(if any		Regulation 12-		minute
			>1E6		11-507		image video
			SCF/24-				recording
			hr vent				
			gas				
			flared)				
throughp	BAAQMD	Y	12/1/04	1.69 E 6 lb/hr of vent gas	BAAQMD	P/E	records
ut	Condition			at each flare	Condition		
	18255, Part				18255, Part 2		
	1						

$\label{eq:continuous_problem} \textbf{Table VII-M} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-300 - U-200 DELAYED COKER

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type

Table VII – M Applicable Limits and Compliance Monitoring Requirements

S-300 - U-200 DELAYED COKER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-10-301	Y		abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg	8-10-401.2	P/E	Records
throughpu ŧ	BAAQMD Condition 476, Part B.1	¥		56,000 bbl/day, 52,000 bbl/day annual average	BAAQMD Condition 476, Part C.2	P/M	records
throughp ut	BAAQMD Condition 21092, Part	Y		81,000 bbl/day	BAAQMD Condition 21092, Part 2	P/D	records

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-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

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type

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-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

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel			
				depressurization is required			
				until pressure is reduced to			
				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		
throughpu	BAAQM	Y	when	12,198 bbl/day (monthly	BAAQMD	P/D	records
t	D		modified	average)	Condition		
(S-304	Condition		in		21095, Part 2		
only)	21095,		accordan				
	Part 1		ce with				
			A/C 5814				

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-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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
throughpu	BAAQM	Y	startup	35,000 bbl/day (monthly	BAAQMD	P/D	records
t	D			average)	Condition		
(S-460	Condition				21094, Part 2		
only)	21094,						
	Part 1						
throughput	BAAQMD	Y		S-304: 3.47 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			(only until modified in	Condition		
	20989,			accordance with A/C	20989, Part A		
	Part A			5814)			
				S-305: 9.2 3 ¹ E 6 bbl/yr			
				S-306: 5.66 E 6 bbl/yr			
				S-307: 1.39 1.26 E 7 bbl/yr			
				S-435: 6.6 E 6 bbl/yr			
				S-436: 4.7 E 6 bbl/yr			
				S-437: 9.1 E 9 ft3/yr			
throughput	BAAQMD	N		S-308: 5.11 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S-309: 6.6 E 8 bbl/yr	Condition		
	20989,			S-318: 3.3 E 7 bbl/yr	20989, Part A		
	Part A			S-319: 3.51 4.32 E 6 bbl/yr			

 $\label{eq:continuous} \textbf{Table VII-O} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\$

S-350 – U-267 CRUDE DISTILLATION UNIT

-	5-550 - U-207 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)	Type				
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records				
	8-10-301			from process vessel							
				depressurization is required							
				until pressure is reduced to							
				less than 1000 mm Hg							
SO2 VOC	BAAQMD	Y	4/1/04	crude oil sulfur content	BAAQMD	P/EĐ	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 – P
Applicable Limits and Compliance Monitoring Requirements
S-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) Type 8-10-401.2 P/E Records POC BAAQMD abatement of emissions 8-10-301 from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg BAAQMD 2.8 E 6 bbl/yr throughput **BAAQMD** P/M records Condition Condition 20989, 20989, Part A Part A

$\label{eq:continuous_problem} Table~VII- \begin{center} \textbf{Q.1}\\ \textbf{Applicable Limits and Compliance Monitoring Requirements}\\ \end{center}$

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-354 - COMBUSTION TURBINE

Type of	Citation of	FE	Future Effective	1	Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N Y	Date	Limit	Citation	(P/C/N)	Туре
NOx	9-9-301.3	Y		9 ppmv (note 1) @15% O ₂ (dry)	BAAQMD 9-9- 501, Condition	C	CEM
	9-9-301.3			@15% O ₂ (dry)	12122, Part 9b		
NOx	NSPS	Y		110 ppmv	BAAQMD 9-9-	С	CEM
NOX	40 CFR 60	1		@15% O ₂ (dry)	501, Condition	C	CEM
	Subpart			@15% O ₂ (dry)	12122, Part 9b		
	GG, 60.332				12122, Fait 90		
	(a)(2)						
NOx	BAAQMD	Y		66 lb/hr and 167	BAAQMD	С	CEM
NOX	Condition	1		ton/yr for all sources;	Condition	C	CEM
	12122, Part			528 lb/day for each	12122, Part 9b		
	9a			turbine/duct burner set	12122, 1 art 70		
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	С	CEM
ITOX	Condition			turbine/duct burner set	Condition	C	CENT
	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			o> pp	Condition		2-2-2
	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	4/1/04	6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-354 - COMBUSTION TURBINE

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y	4/1/04	8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	11						
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-fueled sources	N	None
FP Opacit y	BAAQMD 6-305	Y		Prohibition of nuisance	None for gaseous-fueled sources	N	None
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None
	6-310			8	gaseous-fueled		
					sources		
throughpu	BAAQMD	Y		466 MM BTU/hr at	BAAQMD	P/M	records
t	Condition			each turbine/duct	Condition		
	18629, Part			burner set	18629, Part		
	IX.D.2				IX.D.4		
throughp	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
ut	Condition			total	Condition		
	18629, Part				18629, Part		
	IX.D.3				IX.D.4		
SO2	40 CFR 60	Y		0.8 % sulfur in fuel by	Condition	P/3 times	TRS analysis
	Subpart			weight	12122, Part 12	per day	
	GG,						
	60.333(b)						
SO2	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
	18629, Part			AND 44 lb/hr total (3-	18629, Part		daily total
	IX.F			hr average); 34 lb/hr	IX.G.1.a		sulfur
				total (3-hr average) for			sampling of
				more than 36 days per			fuel gas
				year AND 153 ton/yr			
				total			

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S-352 - COMBUSTION TURBINE

S-353 - COMBUSTION TURBINE

S-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)	Type
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.2

Applicable Limits and Compliance Monitoring Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		66 lb/hr and 167	BAAQMD	С	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9b		
	9a			turbine/duct burner set			

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	40 CFR 60,	Y		0.20 lb/MM BTU for	40 CFR 60,	N	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,	C	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	C	CEM
	Condition			turbine/duct burner set	Condition		
				AND 83 lb/hr total or	18629, Part		
	18629, Part			25 ppmv at 15% O2 (3	IX.G.1.a		
	IX.E			hr average)			
CO	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						
CO	BAAQMD	Y		200 ton/yr	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	10a						

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y	4/1/04	6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						
POC	BAAQMD	Y	4/1/04	8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	11						
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3	None for gaseous-fueled	N	None
	0-301			minutes/hour	sources		
FPOpacit	BAAQMD	Y		Prohibition of	None for	N	None
y	6-305			nuisance	gaseous-fueled sources		
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None
11	6-310	•		0.15 grani/aser	gaseous-fueled	11	Trone
	0.510				sources		
throughpu	BAAQMD	Y		2.42 E 12 BTU/yr at	BAAQMD	P/D	records
t	Condition			S-355, S-356, S-357	Condition		
	12122,			(combined)	12122, Part 15		
	Part 6			,			
throughp	BAAQMD	Y		466 MM BTU/hr at	BAAQMD	P/M	records
ut	Condition			each turbine/duct	Condition		
	18629, Part			burner set	18629, Part		
	IX.D.2				IX.D.4		
throughp	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
ut	Condition			total	Condition		
	18629, Part				18629, Part		
	IX.D.3				IX.D.4		

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S-355 – SUPPLEMENTAL DUCT BURNERS FOR S-352

S-356 – SUPPLEMENTAL DUCT BURNERS FOR S-353

S-357 – SUPPLEMENTAL DUCT BURNERS FOR S-354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	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			

Table VII - R

Applicable Limits and Compliance Monitoring Requirements

S376 - TOOL ROOM COLD CLEANER

S377 – MACHINE SHOP COLD CLEANER

S378 – AUTO SHOP COLD CLEANER

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		POC Emission ≤ 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	C	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

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR 60	Y		fuel gas H2S	40 CFR 60	N	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 FE Effective Requirement Frequency Type of Citation of Monitoring Citation (P/C/N) Limit Limit Y/N Date Limit Type None

Table VII – U

Applicable Limits and Compliance Monitoring Requirements

S1001 - SULFUR PLANT UNIT 234

S1002 - SULFUR PLANT UNIT 236

S1003 - SULFUR PLANT UNIT 238

S-301 - MOLTEN SULFUR PIT 234

S-302 - MOLTEN SULFUR PIT 236

S-303 - MOLTEN SULFUR PIT 238

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring	
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type	١.
(H2S,	BAAQMD	N	4/1/04	95% of H2S in	BAAQMD	P/A	Source Test	
ammonia)	9-1-313.2			refinery fuel gas is	Condition 19278			
	and SIP	Y		removed and	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	N	None	
	6-301			no more than 3 minutes/hour	gaseous-fueled sources			
FPOpacity	BAAQMD	Y		Prohibition of	None for	N	None	
	6-305			nuisance	gaseous-fueled			
ED	DAAOME	3.7		0.15	sources	NT	NI	
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None	
	6-310				gaseous-fueled			
					sources			j

Table VII - U

Applicable Limits and Compliance Monitoring Requirements

S1001 - SULFUR PLANT UNIT 234

S1002 - SULFUR PLANT UNIT 236

S1003 - SULFUR PLANT UNIT 238

S-301 - MOLTEN SULFUR PIT 234

S-302 - MOLTEN SULFUR PIT 236

S-303 - MOLTEN SULFUR PIT 238

Type of	Citation of	FE	Future Effective	1	Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
SO3,	BAAQMD	Y	4/1/04	0.08 grain/dscf	BAAQMD Condition	P/A	Source Test
H2SO4	6-330			exhaust concentration	19278		
				of SO3 and H2SO4,	Part 2		
				expressed as 100%			
				H2SO4			
throughput	BAAQMD	N		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		
	A			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)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel			
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg			

 $Table\ VII-V$ Applicable Limits and Compliance Monitoring Requirements $S\text{-}370-ISOMERIZATION\ UNIT\ 228$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		daily feed rate limit (11,040	BAAQMD	P/D	records
	Condition			bbl/day)	Condition		
	12121,				12121, Part 2		
	Part 1						
throughput	BAAQMD	Y		4.03 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – W
Applicable Limits and Compliance Monitoring Requirements
S-380 – ACTIVATED CARBON SILO (P-204)

				CTIVITED CARDON SI	(,			-
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type	
Opacity	BAAQMD	Y	4/1/04	Ringelmann No. less than	BAAQMD	P/Q	Pressure	
	Regulation			1 for more than 3	Condition		Drop	
	6-301			minutes/hr	18251, Part 2b			
FP Opacity	BAAQMD	Y	4/1/04	Prohibition of nuisance	BAAQMD	P/Q	Pressure	
	6-305				Condition		Drop	
					18251, Part 2b			
FP	BAAQMD	Y	4/1/04	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	4/1/04	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							

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S-389 – DIATOMACEOUS EARTH SILO (F-214)

		~	107	ATOMACEOUS EARTH	31E3 (1 2 1.)		
Type of			Future		Monitoring	Monitoring	
Limit	Citation	FE	Effective		Requirement	Frequency	Monitoring
	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y	4/1/04	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)	
FPOpacity	BAAQMD	Y	4/1/04	Prohibition of nuisance	BAAQMD	P/E	Pressure
	6-305				Condition	(baghouse	Drop
					18251, Part 2c	operation)	
FP	BAAQMD	Y	4/1/04	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	4/1/04	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 – Y Applicable Limits and Compliance Monitoring Requirements S-462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEM S-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)	Type
throughpu	BAAQM	Y	startup	S-462: 1.533 E 9 ft3/yr	BAAQMD	P/M	records
t	D			S-463: .365,000 bbl/yr	Condition		
	Condition				20989, Part		
	20989,				A		
	Part A						

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

	İ	1		COMPONENTS	İ		
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		General equipment leak <	BAAQMD	P/Q	Inspection
	Reg. 8-18-			100 ppm	Reg. 8-18-		
	301				401.2		
POC	BAAQMD	Y		Valve leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	Reg. 8-18-				Reg. 8-18-		
	302				401.2		
POC	BAAQMD	Y		Pump and compressor leak	BAAQMD	P/Q	Inspection
	Reg. 8-18-			≤ 500 ppm	Reg. 8-18-		
	303				401.2		
POC	BAAQMD	Y		Connection leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	Reg. 8-18-				Reg. 8-18-		
	304				401.2e		
POC	BAAQMD	Y		Pressure relief valve leak <	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 ≤ 0.5%	Reg. 8-18-	hours	
	306.2			Pressure Relief ≤ 1%	401.5		
				Pump and Connector < 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 ≤ 0.1 lb/day &			
				≤1.0%			
				Pressure Relief ≤ 0.2 lb/day			
				& ≤5%			
				Pump and Connector ≤ 0.2			
				lb/day & ≤ 5%			

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

	Ì			COMICILENTS			
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		Total valve, pressure relief,	BAAQMD	P/Q	sampling or
	Reg. 8-18-			pump or compressor leaks	8-18-502.4		equivalent
	306.3.3			\geq 15 lb/day, they must be			
				repaired within 7 days			
POC	SIP Reg. 8	¥		10,000 ppm	BAAQMD	P/Q	inspection
	28-301			•	8 28 402		
POC	BAAQMD	YN		Vent Pressure Relief	BAAQMD	P/turn-	None
	Reg.8-28-			Devices to an Abatement	8-28-405	around	
	303			Device with at least 95% by			
				weight control efficiency or			
				Meet Prevention Measures			
				Procedures			
POC	BAAQMD	YN		PHA within 90 days and	BAAQMD	P/release per	None
	Reg.8-28-			meet Prevention Measures	8-28-405	5 calendar	
	304			Procedures. After 2 nd		year	
				release Vent Pressure Relief			
				Devices to an Abatement			
				Device with at least 95% by			
				weight control efficiency.			
				40 CFR 60; Subpart QQQ			
POC	40 CFR	Y		Closed-vent systems <500	40 CFR	P/SA	Measure for
	60.692-5			ppm above background	60.692-5		leaks
	(e)(1)				(e)(1)		
POC	40 CFR	Y		Closed-vent systems using	40 CFR	P/E	Repair after
	60.692-5 (a)			combustion devices shall	60.692-5		emissions
				have 0.75 seconds	(e)(5)		are detected
				residence and minimum			within 30
				temp of 816C			days
POC	40 CFR	Y		Vapor recovery greater than	None	N	None
	60.692-5			or equal to 95%			
	(b)						
ı							
				40 CFR 60; Subpart VV			

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)	Type
POC	40 CFR	Y		Pump leak ≥ 10,000 ppm	40 CFR	P/M	Measure for
	60.482-2				60.482-2		leaks
	(b)(1)				(a)(1)		
POC	40 CFR	Y		Pump leak Indicated by	40 CFR	P/W	Visual
	60.482-2			dripping liquid	60.482-2		Inspection
	(b)(2)				(a)(2)		
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-2(e)			emissions" ≤ 500 ppm	60.482-		leaks
					2(e)(3)		
POC	40 CFR	Y		Pump leak ≥ 10,000 ppm	40 CFR	P/5 days	Visual,
	60.482-8				60.482-8 (a)		audible,
	(b)						olfactory
							Inspection;
							Measure for
							leaks
POC	40 CFR	Y		Pressure relief valve	40 CFR	P/E	Measure for
	60.482-4(b)			(gas/vapor) leak ≥ 500 ppm	60.482-4(b)		leaks within
				within 5 days after a			5 days after
				pressure release event			release
POC	40 CFR	Y		Valve leak ≥ 10,000 ppm	40 CFR	P/M	Measure for
	60.482-7(b)				60.482-7(a)		leaks
POC	40 CFR	Y		Valve leak $\geq 10,000$ ppm; 2	40 CFR	P/Q	Measure for
	60.482-7(b)			successive months w/o	60.482-7(c)		leaks
				leaking			
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
100	60.482-7(f)	•		emissions" ≤ 500 ppm	60.482-7	1/11	leaks
				emissions = 500 ppm	(f)(3)		icuxs
POC	40 CFR	Y		Pumps and valves in heavy	40 CFR	P/E	Visible,
	60.482-8(a)			liquid service, Pressure	60.482-8(a)		Audible, or
				Relief devices (light or			olfactory
				heavy liquid), Flanges,			Inspection
				Connectors leak shall be			
				measured for leak in 5 days			
				if detected by inspection			
I	II	l	l	if detected by hispection	I	I	I I

 $\begin{tabular}{ll} Table \ VII-AB \\ Applicable \ Limits \ and \ Compliance \ Monitoring \ Requirements \\ COMPONENTS \end{tabular}$

				COMPONENTS			
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR	Y		Pressure Relief devices	40 CFR	P/E	Measure for
	60.482-8(b)			(liquid), Flanges,	60.482-8(a)		leaks
				Connectors leak ≥ 10,000			
				ppm			
POC	40 CFR	Y		Closed-vent systems and	None	N	None
	60.482-10			control devices: Vapor			
	(b)			recovery systems ≥ 95%			
POC	40 CFR	Y		Combustion devices ≥ 95%	None	N	None
	60.482-10			destruction efficiency or ≥			
	(c)			0.75 seconds and ≥ 816°C			
POC	40 CFR	Y		Closed-vent systems leak ≥	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.			
	II.	1		40 CFR 61; Subpart FF	П	T	
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 – B1 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S-433 (F224 - MOSC)

Type of	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			23 pc					
	II -	Exempt per 8-5-117. Low vapor pressure										
POC	8-5-117 &	Y	4/1/04	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					
	20773, 1 art 1						change					
BAAQMD	BAAQMD 8	-8 – O	rganic Con	npounds – Wastewater (Oil V	Vater Separatoi	rs)						
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable					
VOC	8-8-303	1		sampling devices	8-8-504	IN	hydrocarbon					
	8-8-303			sampling devices	8-8-603		detector					
VOC	DAAOMD	Y		Combined	BAAQMD	N	Source test or					
VOC	BAAQMD	1		collection/destruction	8-8-602	11	EPA Method					
	8-8-304			efficiency of 95% by	0 0 002		25 or 25A					
				weight.			23 01 2311					
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries	l	L					
TONE		•		Emission point routed to fue								
NSPS				OC Emissions from Petroleu		stewater Syste	ems					
QQQ	10 0111 00 5	u-pu-				sterrater zjac						
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual					
, 00	60.692-3(a)	1		The Tool Closure Standards	60.692-3(a)(4)	initially and	inspection					
	00.092 0(4)				00.052 0(4)(1)	semi-	mspection					
						annually						
VOC		Y		Problems identified during	40 CFR	periodic	Records					
				40 CFR 60.692-3(a)	60.697(c)	when						
				inspections that could result		problem is						
				in VOC emissions		identified						
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Report					
				40 CFR 60.692-3(a)	60.698(c)	initially and						
				inspections that could result		semi-						
				in VOC emissions		annually						
NSPS	40 CED 60 S	uhnar	L t Kh. NGD	S for VOL Storage Vessels			<u> </u>					
Kb		-		S for VOL Storage Vessels RDKEEPING ONLY								
VOC	40 CFR	Y	CK KECUI		40 CFR	pariodia	Record					
1 000	60.110b(c)	I		True vapor pressure less than 3.5 kPa.	40 CFR 60.116b	periodic initially and	Record					
	00.1100(0)			uiaii J.J KFa.	(b)	upon change						
					(0)	of service						
L	11	1	l		I	OI SCIVICC						

Table VII – B1 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS

S-433 (F224 - MOSC)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	PERMIT CO	ONDIT	TIONS				
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)

Limit Citation	FE	Effective									
Citation				Requirement	Frequency	Monitoring					
	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
Exempt per 8-5-117. Low vapor pressure											
8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change					
•											
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	ONDIT	TIONS									
BAAQMD Condition 20989, Part	N		15,000 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records					
	8-5-117 & Condition 20773, Part 1 40 CFR 63 S MONITORI 40 CFR 63.641 PERMIT CO BAAQMD Condition	8-5-117 & Y Condition 20773, Part 1 40 CFR 63 Subpar MONITORING FO 40 CFR 63.641 PERMIT CONDIT BAAQMD N Condition 20989, Part	8-5-117 & Y 4/1/04 Condition 20773, Part 1 40 CFR 63 Subpart CC – NES MONITORING FOR RECOF 40 CFR Y 63.641 PERMIT CONDITIONS BAAQMD N Condition 20989, Part	8-5-117 & Y 4/1/04 Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia). 40 CFR 63 Subpart CC – NESHAP for Petroleum Refineri MONITORING FOR RECORDKEEPING ONLY 40 CFR Y Retain weight percent total organic HAP in stored liquid for Group 2 determination. PERMIT CONDITIONS BAAQMD N 15,000 bbl/yr Condition 20989, Part	8-5-117 & Y 4/1/04 Exemption from Regulation 8-5 Condition 20773, Part 1 Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia). 40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY 40 CFR 63.641 Retain weight percent total organic HAP in stored liquid for Group 2 determination. PERMIT CONDITIONS BAAQMD N 15,000 bbl/yr BAAQMD Condition 20989, Part A	8-5-117 & Y 4/1/04 Exemption from Regulation 8-5 Condition 20773, Part 1 Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia). 40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY 40 CFR 63.641 Retain weight percent total organic HAP in stored liquid for Group 2 determination. Retain weight percent total organic HAP in stored liquid for Group 2 determination. PERMIT CONDITIONS BAAQMD N 15,000 bbl/yr BAAQMD P/M Condition 20989, Part A					

Table VII – B3

Applicable Limits and Compliance Monitoring Requirements
Low Vapor Pressure Permitted Tanks < 10,000 Gallons
S-117 (Tank 162), S-193 (Tank 305), S-194 (Tank 306)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8	-5 - Oı	rganic 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	4/1/04	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				SHAPS for Petroleum Refine ssel definition. Size less than		000 gallons.	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD Condition 20989, Part A	N		S-117: 8.76 E 5 bbl/yr S-193: 100 bbl/yr S-194: 100 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – B4 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS S-238 (TANK 211), S-239 (TANK 212)

Type of Emission Future Monitoring Monitoring Limit Limit **Effective** Requirement FE Frequency **Monitoring** Citation Y/N Date Citation (P/C/N)Type **Emission Limit** BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure POC 4/1/04 2-6-409.2 & P/E 8-5-117 & Exemption from Regulation 8-5 Vapor pressure 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 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries **NONE**

Exempt per 63.640(d)(5). Emission point routed to fuel gas system.

Table VII – B4 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS

S-238 (TANK 211), S-239 (TANK 212)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
`	PERMIT CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	N		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		
	A						

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	Emission		Future	(1111,11202), %	Monitoring	Monitoring					
• •		1010			_	Ü	N				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per 8	B-5-11	7. Low vap	or pressure							
POC	8-5-117 &	Y	4/1/04	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				
BAAQMD	BAAQMD 8-	8 – O	rganic Con	npounds – Wastewater (Oil V	Vater Separator	·s)					
8-8							_				
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable				
	8-8-303			sampling devices	8-8-504		hydrocarbon				
					8-8-603		detector				
VOC	BAAQMD	Y		Combined	BAAQMD	N	Source test or				
	8-8-304			collection/destruction	8-8-602		EPA Method				
				efficiency of 95% by			25 or 25A				
				weight.							
NESHAPS	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries						
CC and	40 CFR 60 St	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	Petroleum Ref	ineries					
	RECORDKE	-		C							

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	Emission		Future	5-170 (TANK 302), 5-3	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Lillit				TD** T **4	-		,
7.7	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Vapor pressure	40 CFR 63.640(n)(1)	Y		True vapor pressure less than 3.5 kPa.	40 CFR 63.640(n)(8)	P/E	Record
pressure	60.110b(c)			ulali 3.3 KFa.	60.116b(b)		
Vapor	00.1100(c)	Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification
pressure		1		kPa).	63.640(n)(8)	within 30 days	Notification
F					60.116b(d)	of exceedance	
NSPS	40 CFR 60 St	ıbnar	t 000 – V	OC Emissions from Petroleu			ns
QQQ		-~ p					~
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	periodic	Visual
	60.692-3(a)				60.692-	initially and	inspection
					3(a)(4)	semi-annually	•
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	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	<u>periodic</u>	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result in VOC emissions		semi-annually	
D. A. C. M. C.	DEDICE CO	NIDIO	HONG	in voc emissions			
_	PERMIT CO	NDIT	TONS				
Permit							
	860 applies to	S-388	only	 		1	
VOC	BAAQMD	Y		fugitive emissions (300 ppm	BAAQMD	<u>periodic</u>	VOC
	Condition			as methane above	Condition	as required	monitor
	1860, Part 1			background)	1860, Part 3	by	
						BAAQMD	
						Regulation 8,	
						Rule 18	
throughput	BAAOMD	N		\$ 105, 5 0 E 4 bbl/57#	BAAQMD	P/M	Records
throughput	BAAQMD	11		S-195: 5.0 E 4 bbl/yr		F/IVI	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						
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		
	A				,		
	17				I		

Table VII – B6
Applicable Limits and Compliance Monitoring Requirements
MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK
S-121 (TANK 166)

1	ir .			5-121 (TANK 100)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	os	· · · · · ·	
8-5	_	-		G FOR EXTERNAL FLOAT		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	
TIO C	D 4 4 63 (D	* 7		G	D 1 1 01 ID	replaced	D . 11
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000	BAAQMD 8-5-503	periodic	Portable
	8-3-328.1.2			ppm as methane after degassing	8-3-303	each time emptied &	hydrocarbon detector
				degassing		degassed	detector
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Certification
VOC		1		inspections and source tests	8-5-404	after each	Report
				inspections and source tests	8-5-405	tank	Report
						inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	Records
				replacement	8-5-501.2	afterfor each	
						tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis

Table VII – B6 Applicable Limits and Compliance Monitoring Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S-121 (TANK 166)

Type of	Emission		Future	5 121 (1711 (1700)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries		
<u>CC</u>	MONITORI	ING F	OR RECO	RDKEEPING ONLY		_	
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	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							
throughput	BAAQMD	N		3.52 E 4 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

Table VII – B7
Applicable Limits and Compliance Monitoring Requirements
NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS
S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Type of Limit	Emission Limit	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 LIQUID	S		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL 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	8-5-401.2		and visual
				covers			inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal inspection
	8-5-321			includes gap criteria	8-5-401.1	every time a	
						seal is	
						replaced	

Table VII – B7 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Type of	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 inspection
	8-5-322			standards; includes gap	8-5-401.1	every time a	
				criteria		seal is	
						replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
110.0				G 10 1	DA A OMB	degassed	G 10 1
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Certification
				inspections and source tests	8-5-404 8-5-405	after each tank	report
					6-3-403	inspection and	
VOC		Y		Records of tank seal	DAAOMD	source test	records
VOC		ĭ		replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each tank	records
				тергасетен	8-3-301.2	seal	
						replacmentins	
						pection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table or
				applicability	8-5-604		sample analysis
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refiner	ries		
CC and	40 CFR 60 S	Subpar	t Kb – NSP	S for VOL Storage Vessels			
NSPS Kb	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA	NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual
	63.640			standards; includes gasketed	63.640(n)(8),	initially & each	inspection
	(n)(1),			covers	60.113b	time emptied &	
	60.112b				(b)(6)	degassed	
	(a)(2)(ii)						
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement
	63.640			includes gap criteria	63.640(n)(8),	initially & at 5	and visual
	(n)(1),				60.113b	yr intervals	inspection
	60.113b				(b)(1)-(b)(3)		
MOC	(b)(4)(i)	37		0 1 1 1	40 CED	. 1.	
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.640			standards; includes gap	63.640(n)(8),	initially &	and visual
	(n)(1), 60.113b			criteria	60.113b (b)(1)-(b)(3)	annually	inspection
	(b)(4)(ii)				(0)(1)-(0)(3)		
	(0)(4)(11)						

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)

	1			095)	0		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	Records
	63.640			rue vapor pressure	63.640(n)(8),	upon change of	
	(n)(1),				60.116b	service	
	60.116b				(c) & (e)		
VOC	(c)	Y		Seal inspection records for	40 CFR	periodic	Records
VOC		1		report in 40 CFR	63.640(n)(8),	For each gap	Records
				60.115b(b)(2)	60.115b(b)(3)	measurement	
VOC		Y		Inspection report for seal	40 CFR	periodic	Report
				gap measurements	63.640(n)(8),	Within 60 days	•
					60.115b(b)(2)	of seal gap	
						measurement	
VOC		Y		Inspection report for non-	40 CFR	<u>periodic</u>	Report
				compliant seals	63.640(n)(8),	Within 30 days	
					60.115b(b)(4)	of seal	
DAAOMD	DEDMIT C	ONIDIT	TONG		<u> </u>	inspection	
BAAQMD Permit	PERMIT CO	UNDII	IONS				
	ng applies to	C 420	l.,				
	Ŭ		Jiiiy	2 (50 000 111/	D	D.0.6	
throughput	BAAQMD	Y		3,650,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12124, Part				12124, Part 3		
	1						
The following	ng applies to	S-440 (only			1	
throughput	BAAQMD	Y		3,600,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12125, Part				12125, Part 3		
	1						
The following	ng applies to	S-442 (only				
throughput	BAAQMD	Y		2,740,000 bbl/yr	BAAQMD	P/M	records
	Condition			•	Condition		
	12127, Part				12127, Part 3		
	1				12127, 1 411 3		
	1						

Table VII – B7 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S-439 (TANK 109), S-440 (TANK 110), S-442 (TANK 112), S-444 (TANK 243), S-451 (TANK 695)

Type of	Emission		Future	,	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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	g 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	Emission Limit	Citation	(P/C/N)	Type				
BAAQMD	Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOATI	NG-ROOF TA	NKS					
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records				
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	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				

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)

		(1		1), S-102 (TANK 103), S	`		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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	
				G		replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied & degassed	detector
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Certification
100		1		inspections and source tests	8-5-404	after each	report
				inspections and source tests	8-5-405	tank	report
						inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	
MOG		3.7		D	DAAOMD	inspection	1 1 (11
VOC		Y		Determination of	BAAQMD 8-5-604	P/E	look-up table
				applicability	8-3-004		or sample analysis
The following	ng apply to S	106 or	.ls.		I		anarysis
VOC	BAAQMD	Y	пу	Pressure vacuum valve set	BAAQMD	P/SA	visual
VOC	8-5-303.1	1		pressure within 10% of	8-5-403	r/SA	inspection
	8-3-303.1			maximum allowable working	0-3-403		mspection
				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 to S	-106 or	ıly				
BAAQMD	BAAQMD 8	-8 – O	rganic Com	pounds – Wastewater (Oil W	ater Separator	s)	
8-8							
VOC	BAAQMD	Y		Primary seal gap criteria	BAAQMD	periodic	measurem
	8-8-302.2			J 21	8-8-302.2.3	initially and	
	8-8-302.2.1				0 0 002.2.3	_	
<u> </u>	0-0-302.2.1				l .	every 5 year	s inspection

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	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Secondary and wiper seal	BAAQMD	<u>periodic</u>	measurem
	8-8-302.2			gap criteria	8-8-302.2.3	initially and	ent and
	8-8-302.2.2					every 5 years	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	HAPS for Petroleum Refiner	ries		
	NO MONIT	ORIN	G REQUIR	EMENTS FOR GROUP 2 W	ASTEWATER	SOURCES	
NSPS Kb	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels			
and NSPS	40 CFR 60 S	ubpar	t QQQ – V	OC Emissions from Petroleur	n Refinery Was	tewater Syster	ns
QQQ	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA	NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual
	60.692-3(d)			standards; includes gasketed	60.692-3(d)	initially &	inspection
	60.112b			covers	60.113b	each time	
	(a)(2)(ii)				(b)(6)	emptied &	
						degassed	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement
	60.692-3(d)			includes gap criteria	60.692-3(d)	initially & at	and visual
	60.113b				60.113b	5 yr intervals	inspection
	(b)(4)(i)				(b)(1)-(b)(3)		
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement
	60.692-3(d)			standards; includes gap	60.692-3(d)	initially &	and visual
	60.113b			criteria	60.113b	annually	inspection
	(b)(4)(ii)				(b)(1)-(b)(3)		
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	Records
	60.692-3(d)			true vapor pressure	60.692-3(d)	upon change	
	60.116b				60.116b	of service	
	(c)				(c) & (e)		
VOC		Y		Seal inspection records for	40 CFR	<u>periodic</u>	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	<u>periodic</u>	Report
				gap measurements	60.692-3(d)	Within 60	
					60.115b(b)(2)	days of seal	
						gap	
						measurement	

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)

), S 102 (1/11/11 100), S						
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
VOC		Y		Inspection report for non-	40 CFR	<u>periodic</u>	Report			
				compliant seals	60.692-3(d)	Within 30				
					60.115b(b)(4)	days of seal				
						inspection				
BAAQMD	PERMIT CONDITIONS									
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					
	A									

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)	Type			
BAAQMD	Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS				
VOC	BAAQMD	Y		Record of liquids stored and	_	<u>periodic</u>	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	<u>periodic</u>	Seal			
	8-5-321			includes gap criteria	8-5-402.1	10 year	inspection			
						intervals and				
						every time a				
						seal is				
						replaced				

Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

				5-440 (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)	Type
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	<u>periodic</u>	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
1	8-5-305,	1		most seal	8-5-402.2	1/5/1	inspection
	8-5-321.1,			most sour	0.5 102.2		mspection
	8-5-322.1						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Certification
				inspections and source tests	8-5-404	after each	report
					8-5-405	tank	
						inspection	
						and source	
VOC		Y		Records of tank seal	DAAOMD	test	Records
VOC		1		replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each	Records
				тергассители	6-3-301.2	tank seal	
						replacement	
						inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries		
CC and	40 CFR 60 S	Subpar	t Kb – NSP	S for VOL Storage Vessels			
NSPS Kb	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING ROOF TA		
VOC	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	

Table VII – B9 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S-448 (TANK 1007)

				S-448 (TANK 1007)	I		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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	<u>periodic</u>	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	
Mod	10 GED	* 7			40 GED	yr	
VOC	40 CFR	Y		Internal visual inspection	40 CFR	<u>periodic</u>	visual
	63.640			from viewports of fixed roof	63.640(n)(8),	initially &	inspection
	(n)(1),				60.113b	annually	
	60.113b				(a)(2) & (3)		
VOC	(a)(2) 40 CFR	Y		Record of liquid stored and	40 CFR	periodic	records
VOC	63.640	1		true vapor pressure	63.640(n)(8),	upon change	records
	(n)(1),			true vapor pressure	60.116b	of service	
	60.116b				(c) & (e)	or service	
	(c)				(6) & (6)		
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	
VOC		Y		Report of non-compliant	40 CFR	<u>periodic</u>	report
				annual inspection for tanks	63.640(n)(8),	within 30	•
				with secondary seals	60.115b(a)(4)	days of tank	
						inspection	
BAAQMD	PERMIT CO	ONDIT	TIONS			-	
Permit							
throughput	BAAQMD	Y		2,190,000 bbl/yr	BAAQMD	P/M	records
- F - F	Condition	-		,,	Condition		
	12133, Part				12133, Part 3		
	1						

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)

T 0		(1		, 5-257 (Talik 1004), i		· · · · ·	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS	
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-402.3	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
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

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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)

	5-12	<i>1</i> 0 (1	ank 1 / 2)	, 5-25/ (Tank 1004), S	3-230 (Tank	1003)	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Records of tank seal	BAAQMD	periodic	Records
				replacement	8-5-501.2	after each	
				-		tank seal	
						replacement	
						inspection	
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	26 and S-25	58			
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	26 and S-25	58			
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 AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING ROOF TA	NKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	
IIAD	40 CEP	37		N : 11 6 4	40 CED	10 years	. 1
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)		

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		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
HAP	40 CFR	Y		No liquid on the floating	40 CFR	P/A	visual			
	63.646(a)			roof or other obvious defects	63.646(a)		inspection			
	63.120(a)(4)			visible from the tank top	63.120(a)(3)					
BAAQMD	PERMIT CO	PERMIT CONDITIONS								
Permit										
throughput	BAAQMD	N		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	A					
	A									

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), 5-113 (TAIK 271)5	(,	
Type of Limit	Emission Limit	FE	Future Effective		Monitoring	Monitoring	Monitoring
Lillit	Lillit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Con	npoun	ds - STORA	AGE OF ORGANIC LIQUID	OS		
8-5	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	EVICES		_
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	<u>periodic</u>	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

Table VII – B11 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S-360 (TANK 223), S-445 (TANK 271)S-449 (TANK 285)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Organic concentration in tank	BAAQMD	<u>periodic</u>	portable
	8-5-328.1.2			<10,000 ppm as methane	8-5-503	each time	hydrocarbon
				after cleaning		emptied &	detector
MOC		37		D	BAAQMD	degassed	1 1 4 1 1
VOC		Y		Determination of applicability	8-5-604	P/E	look-up table or sample
				аррисаниту	0 3 004		analysis
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		unary 515
		•		ission point routed to fuel gas			
NSPS	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels			
Kb	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	EVICES (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		parameter
	(a)(3)(ii)			requirement	(c)(2)		
BAAQMD	PERMIT CO	NDIT	TIONS				
Permit							
The followi	ng applies to S	S-445 (only				
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	12130, Part 1			gas system			
The following	ng applies to S	S-449 (only				
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	11219, Part 1			gas system			
The following	ng applies to S	S-360 d	only		T		
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-446 (TANK 310), S-447 (TANK 311)

			5 110 (TANK 310), 3-447 (TA	T(ICTI)					
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
BAAQMD	Organic Cor	npoun	ds - STORA	AGE OF ORGANIC LIQUII	OS					
8-5	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES									
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records			
	8-5-301			true vapor pressure	8-5-501.1	initially and				
						upon change				
						of service				
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual			
	8-5-303.1			pressure within 10% of	8-5-403		inspection			
				maximum allowable						
				working pressure of the						
VOC	DAAOMD	Y		tank, or at least 0.5 psig	DAAOMD	P/SA	M (1 101			
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as	BAAQMD 8-5-403	P/SA	Method 21 portable			
	6-3-303.2			methane) above background	8-5-503		hydrocarbon			
				methane) above background	8-5-605		detector			
VOC	BAAQMD	Y		Control device standards;	BAAQMD	not specified	MOP			
, 60	8-5-306	•		includes 95% efficiency	8-5-603.1	not specified	Volume IV			
				requirement			ST-4			
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable			
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon			
				methane after cleaning		emptied &	detector			
						degassed				
VOC		Y		Determination of	BAAQMD	P/E	look-up			
				applicability	8-5-604		table or			
							sample			
NONE	40 GED (2.0		. CC NEC	STARGE BY L. D. C.	•		analysis			
<u>NONE</u>		-		SHAPS for Petroleum Refine						
NSPS Kb			. , . ,	ission point routed to fuel ga	s system.					
NSPS KD				S for VOL Storage Vessels G FOR CVS & CONTROL D	NEVICES (NOT	CA ELADE)				
VOC	40 CFR	Y	MITOKING	Closed vent system leak	40 CFR	as required in	Method 21			
100	60.112b	1		tightness standards (< 500	60.112b	40 CFR	Wichiou 21			
	(a)(3)(i)			ppmw)	(a)(3)(i)	60.485(b)				
	(/(-/(-/			FF/	()(-)(-)	[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						

Table VII – B12

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS

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

Type of	Emission		Future	(Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit							
The following	ng applies onl	y to S-	446				
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	12131,			gas system			
	Part 1						
The following	ng applies onl	y to S-	447				•
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	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)	Type
BAAQMD	Organic Co	mpoun	ds - STORA	AGE OF ORGANIC LIQUII	os		
8-5	LIMITS AN	D MO	NITORING	FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	

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)

		,, ~ -	`	K 1002), 5-230 (1ANK	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)	Type
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	<u>periodic</u>	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	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
110.0				a 10 1	DAAOMD	degassed	
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Reports
				inspections and source tests	8-5-404	after each	
					8-5-405	tank	
						inspection	
						and source	
VOC		Y		Records of tank seal	DAAOMD	test	Records
VOC		I		replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each	Records
				теріасешеш	0-3-301.2	tank seal	
						replacement	
						inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
, 50		1		applicability	8-5-604	1/1	or sample
				approacting			analysis
	II				<u> </u>	l .	211117,010

The following apply 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), and S-178 (Tank 288)

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)

	(-	111111111111111111111111111111111111111	<i>)</i> , ~ -	(1111)	K 1002), 5-230 (TANK	1000), 8 20	<i>></i> (1111111111	, , , , , , , , , , , , , , , , , , , ,
l	Type of	Emission		Future		Monitoring	Monitoring	
	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Ī	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			
L					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
L						8-5-605		detector

The following apply 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), and S-178 (Tank 288)

NESHAPS	40 CFR 63 S	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries									
CC	40 CFR 63 Subpart G – SOCMI HON										
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA	ANKS					
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	<u>periodic</u>	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 CO	ONDIT	TIONS								
D											

Permit

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	K 1002), 5-230 (TANK	Monitoring	Monitoring		1
٠.		ы			S	S	N # *4 *	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring	
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type	
throughput	BAAQMD	N		S-97: 1.1 E 7 bbl/yr	BAAQMD	P/M	Records	
	Condition			S-100: 4.38 E 6 bbl/yr	Condition			١.
	20989, Part			S-107: 8.76 E 6 bbl/yr	20989, Part A			
	A			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				١.
				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			
	A			S-178: 3.50 E 7 bbl/yr				

Table VII – B14

Applicable Limits and Compliance Monitoring Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S-334 (TANK 107),

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

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring					
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
BAAQMD				AGE OF ORGANIC LIQUII		(170/11)	13 pc					
_	U	-		G FOR EXTERNAL FLOAT		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	Reports					
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement inspection	Records					
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis					
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries							
CC, NSPS	40 CFR 63 Subpart G – SOCMI HON											
K (note 2),	40 CFR 60 Subpart K – NSPS for Petroleum Storage Vessels											
		40 CFR 60 Subpart Ka – NSPS for Petroleum Storage Vessels										
Ka (note 3)	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA	NKS						

Table VII – B14 Applicable Limits and Compliance Monitoring Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S-334 (TANK 107),

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

	TIDEDIE	. 5	0 11 (1711	NK 200), S-342 (TANK	207), 5 0 10	(TANK ZIU	/
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	<u>periodic</u>	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	<u>periodic</u>	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	NDIT	TONS				
Permit							
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		
	A						
throughput	BAAQMD	N		S-334: 6.51 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						
	1				11	l .	

^{2.} Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S-334 (Tank 107) is subject to NSPS K and MACT.

^{3.} Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S-341 (Tank 208), S-342 (Tank 209), and S-343 (Tank 210) are subject to NSPS Ka and MACT.

Table VII – B15
Applicable Limits and Compliance Monitoring Requirements
MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS
S-139 (Tank 204), S-140 (Tank 205), S-182 (Tank 294)

Type of	Emission		Future), 5 110 (1um 200), 5	Monitoring	Monitoring							
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring						
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
BAAQMD				AGE OF ORGANIC LIQUII		(170/11)	1,100						
8-5	C	IMITS AND MONITORING FOR CVS & CONTROL DEVICES											
VOC	BAAQMD	Y	- TOILL	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 8-5-303.1	Y		Pressure vacuum valve set	BAAQMD 8-5-403	P/SA	visual						
	8-3-303.1			pressure within 10% of maximum allowable	8-3-403		inspection						
				working pressure of the									
				tank, or at least 0.5 psig									
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21						
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable						
				methane) above background	8-5-503 8-5-605		hydrocarbon detector						
VOC	BAAQMD	Y		Control device standards;	BAAQMD	not specified	MOP						
, 50	8-5-306	•		includes 95% efficiency	8-5-603.1	not specifica	Volume IV						
				requirement			ST-4						
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	<u>periodic</u>	portable						
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon						
				methane after cleaning		emptied & degassed	detector						
VOC		Y		Determination of	BAAQMD	P/E	look-up table						
				applicability	8-5-604	-,-	or sample						
							analysis						
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries								
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.								
BAAQMD	PERMIT CO	ONDIT	TIONS										
Permit													
	ng applies to S	S-182 (only		1								
VOC	BAAQMD	Y		Requirement to vent		N							
	Condition			working emissions to fuel									
	13184, Part			gas system									
	1												
The following	ng applies to S	S-139 a	and S-140 o	nly									

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	Emission Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	N		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		
	A						

Table VII – B16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUID	S						
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 8-5-303.1	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				

Table VII – B16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S-133 (TANK 193)

				S-133 (TANK 193)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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	<u>periodic</u>	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	<u>periodic</u>	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	<u>periodic</u>	records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	
					DA A OMB	inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
D	D		• ~			`	analysis
BAAQMD	BAAQMD 8	8-8 – O	rganic Com	pounds – Wastewater (Oil W	ater Separator	s)	
<u>8-8</u>		1					
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					8-8-603		detector
VOC	BAAQMD	Y		Slop oil tank vessel roof	BAAQMD	<u>periodic</u>	visual
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection
						semi-	
						annually	
		_		SHAPS for Petroleum Refiner	ries		
CC	40 CFR 63 S						
			NITORING	G FOR EXTERNAL FLOAT			
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120	emptied &	
					(b)(10)	degassed	

Table VII – B16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S-133 (TANK 193)

Tyme of	Emission		Future	5 100 (17H (H 170)	Manitaring	Manitaning	
Type of	Ellission		ruture		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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				
reriiit						1	
throughput	BAAQMD	Y		8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition 20989	,	
	20989, Part				Part A		
	A						

Table VII – B17 Applicable Limits and Compliance Monitoring Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S-340 (TANK 108)

	1		1	5-340 (TANK 106)	i e		
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	os		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	<u>periodic</u>	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 – B17 Applicable Limits and Compliance Monitoring Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S-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
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	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
					DA A OMB	degassed	
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	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		1		replacement	8-5-501.2	after each	records
				терисетнен	0 3 301.2	tank seal	
						replacement	
						inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	eries		
CC and	40 CFR 63 S	Subpar	t G – SOC	MI HON			
NSPS Ka	40 CFR 60 S	Subpar	t Ka – NSP	S for Petroleum Storage Ves	sels		
(note 2)	LIMITS AN	D МО	NITORIN	G FOR EXTERNAL FLOAT	ING ROOF TA	ANKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	
***	10 ===				(b)(10)		
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	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)	<u> </u>	

Table VII – B17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S-340 (TANK 108)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
НАР	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(4)&(6)	Y		Secondary rim-seal standards; includes gap criteria	40 CFR 63.640(n)(5) 63.646(a) 63.120 (b)(1) & (2)	<u>periodic</u> initially & annually	measurement and visual inspection
BAAQMD Permit	PERMIT CO	ONDI	ΓIONS				
throughput	BAAQMD Condition 20989, Part A	Y		7.67 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S-340 (Tank 108) is subject to NSPS Ka and MACT.

Table VII – B18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183

(TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

			,,	101 (1711/11/250), 15 20			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS		
8-5	LIMITS AN	D MO	NITORING	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	

Table VII – B18 Applicable Limits and Compliance Monitoring Requirements

MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS

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

Type of	Emission	(1111)	Future	-184 (1ANK 290), 8-20	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Lillit				T	_		_
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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	
*****	D			a		replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
HOG		***			DAAOMD	degassed	
VOC		Y		Certification reports on tank	BAAQMD 8-5-404	<u>periodic</u>	reports
				inspections and source tests	8-5-405	after each	
					8-3-403	tank	
						inspection and source	
						test	
VOC		Y		Records of tank seal	BAAQMD		records
VOC		1		replacement	8-5-501.2	<u>periodic</u> after each	records
				тергасетен	8-3-301.2	tank seal	
						replacement	
						inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
100		1		applicability	8-5-604	172	or sample
				аррисаетту			analysis
The following	ıσ annly only	to S. 1	07 (Tonk 1	50), S-113 (Tank 158), S-125	(Tank 170)		
VOC	BAAQMD	Y	or (Tank 1	Pressure vacuum valve set	BAAQMD	P/SA	visual
100	8-5-303.1	1		pressure within 10% of	8-5-403	17571	inspection
	0 3 303.1			maximum allowable	0 3 403		mspection
				working pressure of the			
				tank, or at least 0.5 psig			
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21
. 30	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable
				methane) above background			hydrocarbon
				, , ,	8-5-605		detector
The following	ng apply only	to S-1	07 (Tank 1:	50), S-113 (Tank 158), S-125	(Tank 170)		
	, , , , , , , , , , , , , , , , , , , 			SHAPS for Petroleum Refine			
CC	40 CFR 63 S	•					
CC		_		G FOR EXTERNAL FLOAT	TING ROOF T	ANKS	
	PINIII D AI	1D 1110	1 11 1 O IVII IV	G I ON EATENNAL FLUAT	LING ROOF I	31 1130	

Table VII – B18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S-107 (TANK 150), S-113 (TANK 158), S-124 (TANK 169), S-125 (TANK 170), S-183

(TANK 295), S-184 (TANK 296), S-261 (TANK 1010)

		IAN	K 293), S	-184 (1ANK 296), S-26)1 (1ANK 10	10)	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	<u>periodic</u>	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	ONDIT	TIONS				
throughput	BAAQMD	N		S-107: 8.76 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition			S-113: 1.49 E 7 bbl/yr	Condition		
	20989, Part			S-124: 4.38 E 6 bbl/yr	20989 , Part A		
	A			S-125: 1.05 E 7 bbl/yr			
				S-261: 7.01 E 7 bbl/yr			
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		
	A						

Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

Ī	Type of	Emission		Future		Monitoring	Monitoring	
	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type

Table VII – B19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S-216 (TANK 695)

BAAQMD Secondary rim-seal standards; includes gap criteria Seal is replaced	Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
VOC BAAQMD Y Record of liquids stored and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-301 Initially and true vapor pressure S-5-401.2 Initially and true vapor pressure S-5-401.1 Initially and true vapor pressure S-5-401.2 Initially and true vapor pressure S-5-401.1 Initially and true vapor pressure S-5-401.2 Initially and true vapor pressure S-5-401.1 Initially and tr		Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
VOC BAAQMD Y Record of liquids stored and true vapor pressure S-5.01.1 Initially and upon change of service S-5.01.1 Initially and upon change of service S-5.01.1 Initially and upon change of service S-5.01.2 Initially and upon change of service Initially and upon change of service S-5.01.2 Initially and upon change of service Initially and upon change of service S-5.01.2 Initially and upon change of service Initially and upon change of	BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUII	OS						
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed covers S-5-401.2 Inspection Seal i	8-5	LIMITS AN	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS									
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed covers S-5-401.2 Inspection Seal i												
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed covers S-5-401.2 Seal inspection	VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records				
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed 8-5-401.2 mad visual inspection covers Seal visual inspection Seal very time a seal is replaced Seal very time a seal is		8-5-301			true vapor pressure	8-5-501.1	initially and					
VOC BAAQMD Y Floating roof fitting closure standards; includes gasketed covers S-5-401.2 Secondary rim-seal standards; includes gap criteria S-5-401.1 Seal inspection Seal is replaced S-5-321 Secondary rim-seal standards; includes gap criteria S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322 Secondary rim-seal S-5-401.1 Seal inspection Seal is replaced S-5-322												
Seband Secondary rim-seal standards; includes gap criteria Seal inspection												
VOC BAAQMD Y Primary rim-seal standards; includes gap criteria 8-5-401.1 every time a seal is replaced inspection	VOC	_	Y		_		P/SA	Measurement				
VOC BAAQMD Y Primary rim-seal standards; includes gap criteria 8-5-401.1 every time a seal is replaced linspection		8-5-320			standards; includes gasketed	8-5-401.2						
Sebal Secondary rim-seal Secondary replaced Secondary rim-seal Secondary replaced Secondary secondary replaced Protable Secondary replaced Portable Secondary replaced Secondary												
VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria VOC BAAQMD Y Concentration of < 10,000 ppm as methane after degassing VOC Y Certification reports on tank inspections and source tests VOC Y Records of tank seal replacement replacement replacement inspection VOC Y Determination of applicability applicability seal inspection seal is replaced every time a seal is replaced every time a seal is replaced every time a seal is replaced. Portable every time a seal is replaced every time a seal inspection and seal inspection priodic each time hydrocarbon detector degassed every time a seal is replaced. Portable every time a seal is replaced. Portable every time a seal is replaced. Portable every time a seal inspection each time hydrocarbon detector degassed every time a seal inspection. Portable every time a seal is replaced. Portable every time a seal inspection each time hydrocarbon detector degassed. Portable every time a seal inspection each time hydrocarbon detector degassed. Portable every time a seal inspection each time hydrocarbon detector degassed. Portable every time a seal inspection each time hydrocarbon detector degassed. Portable every time a seal is replaced.	VOC	_	Y			-						
VOC BAAQMD Y Secondary rim-seal standards; includes gap criteria Seal inspection Seal every time a seal inspection Seal insp		8-5-321			includes gap criteria	8-5-401.1	-	inspection				
VOC												
Secondards; includes gap criteria Seal is replaced Seal is replaced	MOC	DAAOMD	37		0 1 1	DAAOMD	-	G 1				
VOC BAAQMD Y Concentration of < 10,000 ppm as methane after degassing	VOC	_	ĭ			-						
VOC BAAQMD Y 8-5-328.1.2 Concentration of < 10,000 ppm as methane after degassing		6-3-322				8-3-401.1		mspection				
VOC BAAQMD 8-5-328.1.2 Y Concentration of < 10,000 ppm as methane after degassing					Cinteria							
VOC Y Determination of applicability S-5-604 S-5-503 each time emptied & degassed hydrocarbon detector degassed hydrocarbon degas hydrocar	VOC	BAAOMD	Y		Concentration of < 10,000	BAAOMD	_	Portable				
VOC Y Certification reports on tank inspections and source tests VOC Y Records of tank seal replacement replacement replacement or sample VOC Y Determination of applicability Records of applicability BAAQMD periodic after each tank inspection and source test reports reports BAAQMD periodic after each tank inspection and source test records records records records	V 0C	_	1			-						
VOC Y Determination of applicability A September 2 Proof to tank and source tests after each tank applicability A September 2 Proof tank degassed degas dega		0 3 320.1.2				0 3 303		-				
VOC Y Certification reports on tank inspections and source tests BAAQMD 8-5-404 after each tank inspection and source test reports VOC Y Records of tank seal replacement BAAQMD 9eriodic after each tank seal replacement inspection records VOC Y Determination of applicability BAAQMD 8-5-604 P/E look-up tabl or sample					a a guissing		_	detector				
inspections and source tests 8-5-404 after each tank inspection and source test VOC Y Records of tank seal replacement replacement VOC Y Determination of applicability B-5-604 B-5-405 tank inspection and source test Periodic records records records records records records records	VOC		Y		Certification reports on tank	BAAQMD		reports				
VOC Y Records of tank seal replacement BAAQMD after each tank seal replacement inspection VOC Y Determination of applicability BAAQMD P/E look-up table or sample					_	8-5-404	_	•				
VOC Y Records of tank seal replacement BAAQMD periodic after each tank seal replacement inspection VOC Y Determination of applicability 8-5-604 BAAQMD P/E look-up table or sample						8-5-405	tank					
VOC Y Records of tank seal replacement BAAQMD periodic after each tank seal replacement inspection VOC Y Determination of applicability 8-5-604 BAAQMD P/E look-up table or sample							inspection					
VOC Y Records of tank seal replacement BAAQMD 8-5-501.2 periodic after each tank seal replacement inspection VOC Y Determination of applicability BAAQMD 8-5-604 P/E look-up tabl or sample							and source					
replacement 8-5-501.2 after each tank seal replacement inspection VOC Y Determination of applicability 8-5-604 P/E look-up table or sample							test					
VOC Y Determination of applicability 8-5-604 tank seal replacement inspection BAAQMD P/E look-up table or sample	VOC		Y			-	_	records				
VOC Y Determination of applicability BAAQMD 8-5-604 P/E look-up tabl or sample					replacement	8-5-501.2						
VOC Y Determination of applicability BAAQMD 8-5-604 P/E look-up tabl or sample												
VOC Y Determination of applicability BAAQMD 8-5-604 P/E look-up table or sample							_					
applicability 8-5-604 or sample	NOC		37		D	DAAOMD		1 1 . 11				
approximity or sample	VOC		Y			-	P/E	_				
					аррисавину	0-5-004						
								anarysis				

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	Emission Limit	Citation	(P/C/N)	Type			
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries					
CC	40 CFR 63 S	40 CFR 63 Subpart G – SOCMI HON								
	LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS									
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	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	<u>periodic</u>	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 CO	ONDIT	TIONS							
throughput	BAAQMD	N		4.6 E 6 bbl/yr	BAAQMD	P/M	Records			
	Condition				Condition					
	20989, Part				20989, Part A					
	A									

Table VII – B20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS S-134 (TANK 194)

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
BAAQMD	Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS									

Table VII – B20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS

S-134 (TANK 194)

Type of	Emission		Future	5 151 (TACK 151)	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 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement inspection	records

Table VII – B20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS

S-134 (TANK 194)

T	Emission		Future	5-154 (TANK 174)	Manitanina	Manitanina	
Type of					Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
BAAQMD	BAAQMD 8	8-8 – O	rganic Con	pounds – Wastewater (Oil V	Vater Separato	rs)	
8-8		_					
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					8-8-603		detector
VOC	BAAQMD	Y		Slop oil tank vessel roof	BAAQMD	<u>periodic</u>	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	SHAPS for Petroleum Refine	ries		
CC	40 CFR 63 S	Subpar	t G – SOCI	MI HON			
				G FOR EXTERNAL FLOAT	TING 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	<u>periodic</u>	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 CO	ONDIT	TIONS				
Permit	ļ			 	Ti .		
throughput	BAAQMD	N		1.31 E 7 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	ŕ				20,00,1 ant 11		
<u> </u>	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)

	(1AIK 13-10), 5-200 (13), 5-207 (110), 5-203 (1003)									
Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
	BAAQMD 8	-5 - Oı	rganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS				
	Exempt per	8-5-11	7. Low vap	or pressure			_			
POC	8-5-117 &	Y	4/1/04	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 63 S	ubpar	t CC – NES	SHAP for Petroleum Refineri	ies					
CC	MONITORING FOR RECORDKEEPING ONLY									
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records			
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and				
				for Group 2 determination.	(iv)	upon change				
						in service				

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	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type

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	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per 8-5-117. Low vapor pressure									
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change			
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries									
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.					

Table VII – B23A Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING + BUT WITH GROUP I MACT FLEXIBILITY S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
	BAAQMD 8	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	Exempt per 8-5-117. Low vapor pressure									
POC	8-5-117 & Condition	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less	Condition	P/E	Vapor pressure determination			
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material change			
NESHAPS	40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries									
CC	MONITORING FOR RECORDKEEPING ONLY									

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

Table VII - B23A

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring	
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type	
	BAAQMD 8	3-5 - Oı	rganic Com	pounds - STORAGE OF OR	GANIC LIQUI	IDS		
	Exempt per 8-5-117. Low vapor pressure							
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records	
	63.641			organic HAP in stored liquid	63.654(i)(1)	initially and		
				for Group 2 determination.	(iv)	upon change		
						in service		

Table VII – B23B Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING +

BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	Organic Co	mpoun	ds - STOR	AGE OF ORGANIC LIQUI	DS		
8-5	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ΓING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	<u>periodic</u>	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-401.2		and visual
				covers			inspection

⁺ Sources 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 – B23B Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

		(1), 5-107 (TANK 15 4),			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection
				criteria		seal is	
						replaced	
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
					DA A OMB	degassed	_
VOC		Y		Certification reports on tank	BAAQMD 8-5-404	<u>periodic</u>	Reports
				inspections and source tests	8-5-404 8-5-405	after each	
					6-3-403	tank	
						inspection and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	Records
VOC		1		replacement	8-5-501.2	after each	Records
				тергасетен	0-3-301.2	tank seal	
						replacement	
						inspection	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries		
CC	40 CFR 63 S	Subpar	t G – SOCI	MI HON			
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	TING 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	<u>periodic</u>	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)		

Table VII – B23B

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING + BUT WITH GROUP I MACT FLEXIBILITY

S-108 (TANK 153), S-109 (TANK 154), S-127 (TANK 173)

_	~ -	, ,), × 10> (1111 11 10 1),	~ 12/ (1/1//	110)	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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 Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-	5 - Oı	ganic Com	pounds - STORAGE OF OR	GANIC LIQU	IDS	
	Exempt per 8	3-5-11	7. Low vap	or pressure			
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change
NESHAPS	40 CFR 60 St	ıbpar	t K – NSPS	for Petroleum Storage Vess	els ¹		
CC	40 CFR 63 Su	ıbpar	t CC – NES	SHAP for Petroleum Refiner	ies		
	MONITORIN	NG FO	OR RECOI	RDKEEPING ONLY			
НАР	40 CFR 63.640(n)(7) 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1) (iv)	periodic initially and upon change	Records
						in service	

¹ Group 2 storage vessels as defined in 40 CFR 63 Subpart CC (MACT) that are subject to NSPS K but are exempt from control requirements in NSPS K are subject only to MACT per 63.640(n)(7).

Table VII – B25 Applicable Limits and Compliance Monitoring Requirements EXEMPT BUTANE SPHERES

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

				1 ANK 301), 3-170 (1 A		<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)	Type		
BAAQMD	Organic Con	rganic Compounds - STORAGE OF ORGANIC LIQUIDS							
8-5	LIMITS AN	р мо	NITORING	G FOR PRESSURE TANKS					
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records		
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection		
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector		
VOC	BAAQMD 8-5-307	Y		Pressure tank must be gas tight: < 100 ppm (as methane) above background	BAAQMD 8-5-503 8-5-605	not specified	Method 21 portable hydrocarbon detector		
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector		
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis		
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries								
	Exempt per 63.640(d)(5). Emission point routed to fuel gas system								
The followin	The following applies to S-188 only								
NONE	40 CFR 60 S	ubpar	t Kb – NES	HAPS for Petroleum Refine	ries				
	Exempt per	60.110	b(d)(2). Pro	essure vessel designed to ope	rate in excess of	f 204.9 kPa and	d 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)

Type of	Emission		Future		Monitoring	Monitoring		
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring	
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type	
	BAAQMD 8-	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS						
	Exempt per 8	3-5-11	7. Low vap	or pressure				
POC	8-5-117 &	Y	4/1/04	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 Su	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 Su	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	Petroleum Ref	ineries		
	RECORDKE	RECORDKEEPING 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 – B27
Applicable Limits and Compliance Monitoring Requirements
NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS
TANK 235, TANK 236

Т	Eii		E4	,	Manitanina	Manidanina	_		
Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	Exempt per 8	-5-11	7. Low vap	or pressure					
POC	8-5-117 &	Y	4/1/04	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		
	20773,14101						change		
NONE	40 CFR 63 Su	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries							
	Exempt per 6	Exempt per 63.640(d)(5). Emission point routed to fuel gas 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 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	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	inspection		
						semi-annually			

Table VII – B27 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

				17111K 200, 17111K 200			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	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	<u>periodic</u>	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result		semi-annually	
				in VOC emissions			

Table VII – B28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type		
	BAAQMD 8-	AAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS							
	II	Exempt per 8-5-117. Low vapor pressure							
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material change		
NONE	II	10 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 Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater Systems								
VOC	40 CFR 60.692-3(a)	Y		Fixed roof closure standards	40 CFR 60.692-3(a)(4)	periodic initially and semi-annually	Visual inspection		

Table VII – B28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

TANK 237

			-	I ANK 231			
Type of	Emission		Future		Monitoring	Monitoring	_
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	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	<u>periodic</u>	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	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS						
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y	4/1/04	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 63 Su	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries					
CC and	40 CFR 60 Su	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	Petroleum Re	fineries	
NSPS Kb	RECORDKE	EPIN	G ONLY				_
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	63.640(n)(1)			than 3.5 kPa.	63.640(n)(8)		
	60.110b(c)				60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	<u>periodic</u>	Notification
pressure				kPa).	60.116b(d)	within 30 days	
						of exceedance	

Table VII – B30 Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring	
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type	
	BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS							
	Exempt per 8	Exempt per 8-5-117. Low vapor pressure						
POC	8-5-117 & Condition 20773, Part 1	Y	4/1/04	Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change	
	E 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries NO MONITORING REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES							

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD		
Regulations		
6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
8-2-301	VOC Emission Limit for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
8-5-301	Tank Emission Control System Requirements, 95% Abatement Efficiency	Manual of Procedures, Volume IV, ST-4
8-5-303.2	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

VIII. Test Methods

Table VIII Test Methods

Applicable Requirement	Description of Requirement	A acentable Test Methods
8-7-301	Phase I Vapor Recovery	Acceptable Test Methods Manual of Procedures, Volume IV, ST-30, Gasoline Vapor
6-7-301	Requirements	Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing
	Requirements	Facility Phase I Volumetric Efficiency
8-7-302	Phase II Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Vapor Tightness; ST-
8-7-302	Requirements	37, Liquid Removal; and ST-41, Liquid Retain and Spitting from
	Requirements	Nozzles
8-8-302.3	Oil-Water Separator Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
0-0-302.3	Recovery System Requirements	25A
8-8-307.2	Air Flotation Unit Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
0-0-307.2	Recovery System Requirements	25A
8-8-504	Portable Hydrocarbon Detector	A gas detector that meets the specifications and performance
0 0 504	Tortable Hydrocarbon Detector	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	
8-44-303	Tank vessel is leak free and gas	EPA Method 21
	tight	

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-44-603	Leak Tests and Gas Tight Determinations	EPA Method 21
9-1-301, 9-2-301, 9-1-604	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-1-302	Sampling and Analysis, SO ₂	Manual of Procedures, Volume IV, ST-19 A or B
9-1-501, 9-1-502, 9-2-501	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring
9-1-313	NH3 and H2S abatement efficiency	Manual of Procedures, Volume III, Lab 32, Determination of H2S in Process Water Streams Manual of Procedures, Volume III, Lab 1, Determination of NH3 in Effluents
9-9-301.3	Emission Limits- Turbines Rated > 10 MW with SCR	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
9-10-301	Refinery-Wide NO _x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-303.1	NO _x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-305	CO Emission Limit	Manual of Procedures, Volume V and Manual of Procedures, Volume IV, ST-6 (carbon monoxide) for CEM verification by source test
40 CFR 60 Subpart A	New Source Performance Standards – General Provisions (12/23/71)	
40 CFR Subpart A 60.18(c)(1)	Visible emission monitoring	EPA Method 22: Visible Emissions

VIII. Test Methods

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60	Standards of Performance for	•
Subpart Db	Industrial-Commercial-	
•	Institutional Steam Generating	
	Units (3/13/00)	
40 CFR 60	NO _x 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 VV 60.485(b)
Subpart Kb	System – leak detection	540put + + 00.405(0)
60.112b		
(a)(3)(i)		
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)		

Applicable			
Requirement	Description of Requirement	Acceptable Test Methods	
40 CFR 60	NSPS Subpart Kb External	40 CFR 61 Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures	
Subpart Kb	Floating Roof Tank primary rim		
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	
(0.222.41)	E 10 10 1 '4 (1' '10 1)	by Oxidative Microcoulometry	
60.333 (b)	Fuel Sulfur Limit (liquid fuel)	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel	
40 CED (0	I	Oils	
40 CFR 60,	Inspection Procedures	EPA Reference Method 21	
Appendix A 40 CFR 60	Ctondondo of Donformo o for		
	Standards of Performance for Equipment Leaks of VOC in		
Subpart VV	• •		
40 CER 40	SOCMI	40 CED CO A 11 A M (1 121 22 27 12 40 CED CO	
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)			

Applicable			
Requirement	Description of Requirement	Acceptable Test Methods	
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		
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.	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
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)		
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)		

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
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 - 1
Permit Shield for Non-applicable Requirements
ALL 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	
3(b)	routed through a closed vent system to a control device. The applicant's separator	
	has a fixed roof that is in full contact with the liquid and does not contain any vents.	
	As indicated in Table IV-C, applicant is subject to BAAQMD Regulation 8-8-302.1,	
	which requires a "solid, vapor-tight, full contact cover which totally encloses the	
	separator tank, chamber or basin (compartment) liquid contents, with all cover	
	openings closed and sealed." Since no vents exist, there is nothing to route to a	
l	control device, so this subsection of Subpart QQQ does not apply.	

Table IX B - 1
Permit Shield for Subsumed Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Subsumed				l
Requirement		Streamlined		ì
Citation	Title or Description	Requirements	Title or Description	ı

Table IX B - 1
Permit Shield for Subsumed Requirements
S-324 API OIL/WASTEWATER SEPARATOR

Subsumed			
Requirement		Streamlined	
•	Trial D : 4	~ · · · · · · · · · · · · · · · · · · ·	mu b t
Citation	Title or Description	Requirements BAAOMD 8-8-302.1 and	Title or Description
NSPS Subpart	Floating roofs installed as alternative	Permit Condition 1440.	The API separator shall be equipped and operated such that the fixed roof
QQQ, 40 CFR 60.693	standard for oil water	Permit Condition 1440,	
		Part 1	is in full contact with the liquid at all
2(a)(1)	separators shall be		times. As described in the NSPS
	equipped with a closure device.		Standards research to 40 CEP
	closure device.		Standards pursuant to 40 CFR 60.693-2(b) and 60.694 submitted to
			USEPA by Unocal on December 28.
			1987, in lieu of a floating roof
			equipped with a closure device, the
			separator would be equipped with the full contact fixed roof as an
			equivalent closure device.
NCDC Cl	F14:	BAAQMD 8-8-302.1 and	
NSPS Subpart	Floating roofs installed as alternative	Permit Condition 1440.	The API separator shall be equipped and operated such that the fixed roof
QQQ, 40 CFR 60.693	standard for oil-water	Part 1	
		Part I	is in full contact with the liquid at all times. As described in the NSPS
2(a)(3)	separators shall be		
	floating on the liquid (i.e., off the roof		Subpart QQQ Request for Alternative Standards pursuant to 40 CFR
	supports) at all times,		60.693 2(b) and 60.694 submitted to
	except for low flow		USEPA by Unocal on December 28.
	conditions.		1987, in lieu of a floating roof
	conditions.		equipped with a closure device, the
			separator would be equipped with the
			full contact fixed roof as an
			equivalent closure device.
NSPS Subpart	For oil water	BAAOMD 8-8-302.1 and	The API separator shall be equipped
000.	separators subject to	Permit Condition 1440.	and operated such that the fixed roof
40 CFR	60.693-2, record	Part 1	is in full contact with the liquid at all
60.697(k)	information from	Fart 1	times. As described in the NSPS
00.057 (K)	inspections conducted		Subpart QQQ Request for Alternative
	pursuant to the		Standards pursuant to 40 CFR
	60.693-2(a)(1)(iii)(A)		60.693 2(b) and 60.694 submitted to
	and (B) requirements		USEPA by Unocal on December 28.
	for floating roofs		1987, in lieu of a floating roof
	equipped with a		equipped with a closure device, the
	closure device.		separator would be equipped with the
	Closure device.		full contact fixed roof as an
			equivalent closure device.
	1		equivalent crosure device.

Table IX B - 2 Permit Shield for Subsumed Requirements

S-352 – COMBUSTION TURBINE

S-353 – COMBUSTION TURBINE

S-354 – COMBUSTION TURBINE

	Description
Citation Title or Description Requirements Title or Description NSPS Install and operate a BAAQMD 9-9-501, Permit Per BAA	Description
NSPS Install and operate a BAAQMD 9-9-501, Permit Per BAA	Description
	_
Subpart GG, continuous monitoring system Condition 12122, Part 9b, permit co	AQMD regulations and
	Phillips has equipped the
	with NOx CEMs in lieu
	oring the water-to-fuel- ng fired in the turbines.
	proposed amendments
	art GG (FR 17990),
	cilities to install and
	NOx CEM in lieu of
	fuel ratio monitoring.
NSPS Monitor nitrogen content of the Proposed Subpart GG Per propo	osed amendments to
	GG (FR 17990),
` / ` /	that elect to take no
	ce for fuel bound
	in determining the
	le NOx standard are not
	to monitor nitrogen fuel ConocoPhillips will
	ake this approach when
	osed amendments
	effective (May 29,
	esulting in a revised
	ndard per 60.332(a)(2)
	pmv at 15% O2 with no
	nd nitrogen monitoring.
	osed amendments to
	GG (FR 17990), the
, , ,	n of excess emissions is
	or facilities that install
	ate a NOx CEMS in
	rater to fuel rationg. The revised
	n is based on an
	g hour in which the 4-
	ing average NOx
	ation as measured by
	I exceeds the
)(2) limit.

X. GLOSSARY

ACT

Federal Clean Air Act

APCO

Air Pollution Control Officer

ARB

Air Resources Board

BAAOMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

BARCT

Best Available Retrofit Control Technology

Rasis

The underlying authority which allows the District to impose requirements.

CAA

The federal Clean Air Act

CAAOS

California Ambient Air Quality Standards

CAPCOA

California Air Pollution Control Officers Association

CEC

California Energy Commission

CEOA

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, $4.53 ext{ E } 6$ equals $(4.53)x(10^6) = (4.53)x(10x10x10x10x10x10) = 4,530,000$. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EFRT

An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EMP

Environmental Management Plan

ESP

Electrostatic Precipitator

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

FCC

Fluid Catalytic Cracker

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, Subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

GRU

Gas Recovery Unit

H₂S

Hydrogen sulfide

H₂SO₄

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

\mathbf{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.)

Ω^2

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

PM

Total Particulate Matter

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

Process Unit

For the purpose of startup and shutdown reporting, a process unit is defined as found in 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.

TKC

Taylor Kinetic Cracking

TOC

Total Organic Compounds (NMOC + Methane, Same as THC)

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

TRS

"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP

Total Suspended Particulate

VGO

Vacuum Gas Oil

VOC

Volatile Organic Compounds

VR

Vapor Recovery

WWT

Wastewater Treatment

Units of Measure:

bbl	=	barrels
bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million, millimeter
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

XI. 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