Bay Area Air Quality Management District

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

Draft

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, Refinery Manager 510 245 4415

Valerie Uyeda, Environmental Specialist 510 245 5249

Type of Facility: Petroleum refinery BAAQMD Engineering Division Contact:

Primary SIC: 2911 <u>Julian Elliot Brenda Cabral</u>

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 6/28/998/1/01);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 12/21/048/1/01);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA on $\frac{1/262/25}{99}$);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 12/21/045/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA on 1/262/25/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 12/21/045/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA on $1/26\frac{2}{25}/99$); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on $\frac{5}{2}$ /014/16/03).

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

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

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

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. 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 Facility Name: ConocoPhillips Company – San Francisco Refinery
Permit for Facility #: A0016

San Francisco, CA 94105 Attention: Air-3

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. [Reserved]

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

3. [Reserved]

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

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certification period. This is in addition to any recordkeeping and reporting contained in the requirement itself.

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

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

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

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

K. Accidental Release

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

II. EQUIPMENT

Table II A - Permitted Sources

S#	Description	Make or Type	Model	Capacity
	U229, B-301 Heater	Petro-Chem	process	22 MM-BTU/hr
2	(natural gas, refinery fuel gas)		heater	
	U230, B-201 Heater	Petro-Chem	process	62 MM-BTU/hr
	(natural gas, refinery fuel gas,		heater	
3	naphtha)			
	U231, B-101 Heater	Braun	process	96 MM-BTU/hr
4	(natural gas, refinery fuel gas)		heater	
	U231, B-102 Heater	Braun	process	104 MM-BTU/hr
5	(natural gas, refinery fuel gas)		heater	
	U231, B-103 Heater	Petro-Chem	process	64 MM-BTU/hr
	(natural gas, refinery fuel gas,		heater	
7	naphtha)			
	U240, B-1 Boiler	Combustion	process	256 MM-BTU/hr
8	(natural gas, refinery fuel gas)	Engineering	heater	
	U240, B-2 Boiler	Born	process	61 MM-BTU/hr
9	(natural gas, refinery fuel gas)		heater	
	U240, B-101 Heater	Foster-Wheeler	process	223 MM-BTU/hr
10	(natural gas, refinery fuel gas)		heater	
	U240, B-201 Heater	Econo-Therm	process	108 MM-BTU/hr
11	(natural gas, refinery fuel gas)		heater	
	U240, B-202 Heater	Econo-Therm	process	42 MM-BTU/hr
12	(natural gas, refinery fuel gas)		heater	
	U240, B-301 Heater	Born	process	194 MM-BTU/hr
13	(natural gas, refinery fuel gas)		heater	
	U240, B-401 Heater	Selas	process	556 MM-BTU/hr
14	(natural gas, refinery fuel gas)		heater	
	U244, B-501 Heater	Alcorn	process	239.75 MM-BTU/hr total
15	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-502 Heater	Alcorn	process	239.75 MM-BTU/hr total
16	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-503 Heater	Alcorn	process	239.75 MM-BTU/hr total
17	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-504 Heater	Alcorn	process	239.75 MM-BTU/hr total
18	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-505 Heater	Alcorn	process	239.75 MM-BTU/hr total
19	(natural gas, refinery fuel gas)		heater	for S15 through S19
	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 S352	Allis-Chalmers	6138, 435	<100 hr/yr operation
50	startup)		hp	
	Diesel Engine (turbine S353	Allis-Chalmers	6138, 435	<100 hr/yr operation
51	startup)		hp	
	Diesel Engine (turbine S354	Allis-Chalmers	6138, 435	<100 hr/yr operation
52	startup)		hp	
		Cummins	6B-5.9, 97	<100 hr/yr operation
			hp	(excluding emergency
53	SPP Emergency Generator G-27			use)
		Waukesha Scania	F647DSUF	<100 hr/yr operation
	Pump Station 3 CP-198		, 258 hp	(excluding emergency
54	Emergency Engine			use)
		Waukesha Scania	F647DSUF	<100 hr/yr operation
	Pump Station 3 CP-199		, 258 hp	(excluding emergency
55	Emergency Engine			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201A		hp	(excluding emergency
56	Emergency Engine			use)
		Caterpillar	3406, 370	<100 hr/yr operation
	Pump Station 4 G-201B		hp	(excluding emergency
57	Emergency Engine	G : 31	2406.270	use)
	D 0	Caterpillar	3406, 370	<100 hr/yr operation
50	Pump Station 4 G-422A		hp	(excluding emergency
58	Emergency Engine	C + '11	2406.270	use)
	Down Station A.C. 422D	Caterpillar	3406, 370	<100 hr/yr operation
50	Pump Station 4 G-422B		hp	(excluding emergency
59	Emergency Engine		1. 11	use)
97	Tank 100	external floating roof	crude oil	298 thousand bbl
100	Tank 103	external floating roof	ship ballast	47 thousand bbl
101	Storm Water Equalization Tank	external floating roof	stormwater	5.5 million gal
101	T-104 Storm Water Equalization Tank	10 2		5.5 million gal
	1 Storm Water Equalization Tonk	external floating roof	stormwater	La a million gal

S#	Description	Make or Type	Model	Capacity	
106	Storm Water Equalization Tank T-130	external floating roof	stormwater	10.6 million gal	
107	Tank 150	external floating roof	crude oil	68 thousand bbl	
110	external floating roof crude oil, gas oil,			4.2 million gal	
111	Tank 156	external floating roof	crude oil	100 thousand bbl	
112	Tank 157			100 thousand bbl	
113	Tank 158	external floating roof	crude oil	101 thousand bbl	
114	Tank 159	external floating roof	crude oil	136 thousand bbl	
115	Tank 160	external floating roof	naphtha	75 thousand bbl	
117	Tank 162	external floating roof	naphtha	5 <u>.</u> 300 gal	
118	Tank 163	fixed roof	lube oil	5 <u>.</u> 300 gal	
121	Tank 166	external floating roof	gasoline	18 <u>.</u> 500 gal	
122	Tank 167	external floating roof	naphtha	3.1 million gal	
123	Tank 168	external floating roof	naphtha	75 thousand bbl	
124	Tank 169	external floating roof	naphtha	75 thousand bbl	
125	Tank 170	Fank 170 external floating roof naphtha		75 thousand bbl	
126	Tank 172	internal floating roof naphtha, tank with dome roof MTBE		75 thousand bbl	
128	Tank 174	external floating roof	crude oil, naphtha	76 thousand bbl	
129	Tank 180	external floating roof	naphtha	76 thousand bbl	
133	API Waste Oil Tank T-193	external floating roof	waste oil	22 thousand bbl	
134	API Waste Oil Tank T-194	external floating roof	waste oil	22 thousand bbl	
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	2 <u>.</u> 000 gal	
194	Tank 306	fixed roof	dye	2 <u>.</u> 000 gal	
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2 <u>.</u> 500 bbl	
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2 <u>.</u> 500 bbl	
216	Tank 695	external floating roof	naphtha	2.0 million gal	
238	Used Caustic Tank T-211	fixed-roof	caustic waste	10 <u>.</u> 000 bbl	
239	Stripped Foul Water Tank T- 212	fixed-roof	sour water	10 <u>.</u> 000 bbl	

S#	Description	Make or Type	Model	Capacity
254	Tank 1001	external floating roof	gasoline	104 thousand bbl
255	Tank 1002	external floating roof	gasoline	104 thousand bbl
256	Tank 1003	external floating roof	gasoline	104 thousand bbl
257	Tank 1004	internal floating roof tank with dome roof	gasoline	104 thousand bbl
258	Tank 1005	internal floating roof tank with dome roof	gasoline	104 thousand bbl
259	Tank 1006	external floating roof	gasoline	104 thousand bbl
261	Tank 1010	external floating roof	naphtha, distillate oil	104 thousand bbl
	Non-Retail Gasoline Dispensing	phase I / II vapor	EW A4000	15,000 gal underground
294	Facility (GDF 7609 – 1 nozzle)	recovery		tank
296	C-1 Flare (main refinery flare, elevated, steam-assisted, serves S304, S305, S306)	Callidus		845 ton/hr gas handling capacity, 6.6 MM BTU/hr pilot
300	U200 Delayed Coker	delayed coker	NA	81,000 bbl/day
301	Molten Sulfur Pit 234	NA	NA	245 long ton/day for S301, 302, 303 (271 long ton/day after execution of A/C 5814)
302	Molten Sulfur Pit 236	NA	NA	245 long ton/day for S301, 302, 303 (271 long ton/day after execution of A/C 5814)
303	Molten Sulfur Pit 238	NA	NA	245 long ton/day for S301, 302, 303 (271 long ton/day after execution of A/C 5814)
304	U229 Mid-Barrel Unionfining (Light Naphtha Hydrotreater after modification in accordance with A/C 5814)	NA	NA	12 <u>.</u> 198 bbl/day
305	U230 Prefractionator/Naphtha Hydrotreater	NA	NA	28,000 bbl/day
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit	NA	NA	42,000 bbl/day
308	U244 Reforming Unit	NA	NA	16,087 bbl/day
309	U248 UNISAR Unit	NA	NA	16,740 bbl/day
318	U76 Gasoline/Mid Barrel Blending Unit	NA	NA	80,000 bbl/day gasoline 41,200 bbl/day diesel
319	U215 Gasoline Fractionating Unit	NA	NA	9,600 bbl/day
322	U40 Raw Materials Receiving	NA	NA	throughput limited at specific tanks, process units

S#	Description	Make or Type	Model	Capacity
		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
	U231 B-104 Heater	Foster-Wheeler	process	111 MM-BTU/hr
336	(natural gas, refinery fuel gas)		heater	
	U231 B-105 Heater	Foster-Wheeler	process	34 MM-BTU/hr
337	(natural gas, refinery fuel gas)		heater	
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		33 <u>.</u> 000 bbl/day
350	U267 Crude Distillation Unit	towers		
	U267 B-601/602 Tower Pre-			101 MM-BTU/hr
	heaters			
351	(natural gas, refinery fuel gas)			
	Combustion Turbine	Westinghouse	191	291_MMBTU/hr
352	(natural gas, refinery fuel gas)			continuously
	Combustion Turbine	Westinghouse	191	291_MMBTU/hr
353	(natural gas, refinery fuel gas)			continuously
	Combustion Turbine	Westinghouse	191	291_MMBTU/hr
354	(natural gas, refinery fuel gas)	_		continuously
	Supplemental Firing Duct	Coen		175 MM-BTU/hr
255	Burners			
355	(natural gas, refinery fuel gas)	0		175 MM DTU/L
	Supplemental Firing Duct Burners	Coen		175 MM-BTU/hr
356	(natural gas, refinery fuel gas)			
330	Supplemental Firing Duct	Coen		175 MM-BTU/hr
	Burners	Coen		1/3 WIW-D1 O/III
357	(natural gas, refinery fuel gas)			
360	Mid-Barrel Tank 223	fixed roof	distillate oil	110 thousand bbl
370	U228 Isomerization Unit	111/04 1001	distillate on	460 bbl/hr
210	U228 B-520 (Adsorber Feed)	Selas	1	58 MM-BTU/hr for S371,
	Furnace	55145		372
371	(natural gas, refinery fuel gas)			
	U228 B-521 (Hydrogen Plant)	Selas		58 MM-BTU/hr for S371,
	Furnace			372
372	(natural gas, refinery fuel gas)			
376	Tool Room Cold Cleaner	Build-All	DM-32	29 gal
377	Machine Shop Cold Cleaner	Build-All	DM-32	29 gal
378	Auto Shop Cold Cleaner	Snap-On	DM-226	18 gal

380 381 382 383	Activated Carbon Silo (P-204) Aeration Tank, Pact (F-201) Aeration Tank, Pact (F-202)	Make or Type	Model	Capacity
381 382 383	Aeration Tank, Pact (F-201)			50,000 lb
382 383		wastewater	100 ft dia	1.2 million gal
383		wastewater	100 ft dia	1.2 million gal
	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	20 20 30 30	420 thousand gal/hr
386	PAC Regeneration Sludge Thickener (F-211)		25 ft dia	44 <u>.</u> 000 gal
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
388	Sludge Pretreatment (T276, F205)	30 ft dia by 24 ft 12 ft dia by 24 ft		17.5 ton/hr
389	Diatomaceous earth silo (F-214)			40,000 lb
390	F-106 Thickened Sludge Storage	15 ft diameter open tank		38,000 gal
392	Regenerated PAC Slurry Storage Tank F-266	fixed roof		42 <u>.</u> 000 gal
398	MP-30 Flare (backup refinery flare, elevated, steam-assisted, serves S304, S305, S306)	John Zink	Q5-48C	845 ton/hr gas handling capacity, 3.1 MM BTU/hr pilot
400	Wet Weather Wastewater Sump (with vented cover)	32 ft x 36 ft x 23 ft deep		175 thousand gal
401	Dry Weather Wastewater Sump (with vented cover)	33 ft x 25 ft x 26 ft deep		150 thousand gal
425	Marine Loading Berth M1	2 permitted arms		25,000 bbl/day annual average for S425, 426
		4 permitted arms		25,000 bbl/day annual
426	Marine Loading Berth M2			average for S425, 426
432	U215 Deisobutanizer			7 <u>.</u> 600 bbl/day
433	MOSC Storage Tank	fixed roof		30 <u>.</u> 000 gal
435	Reformate Splitter			18 <u>.</u> 100 bbl/day
436	Deisopentanizer			13 <u>.</u> 400 bbl/day
437	Hydrogen Manufacturing Unit			25 million scf/day
438	U110, H-1 (H2 Plant Reforming) Furnace (natural gas, refinery fuel gas, PSA offgas)	Claudius Peters	reforming furnace	210 MM-BTU/hr
439	Tank 109	external floating roof	gasoline, others	161 thousand bbl
440	Tank 110 (Alkylate)	external floating roof	alkylate	161 thousand bbl
442	Tank 112	external floating roof	gasoline, others	161 thousand bbl
444	Tank 243	external floating roof	gasoline, others	113 thousand bbl
445	Tank 271 (Cracked Naphtha)	underground tank	naphtha	189 thousand bbl
446	Tank 310 (Isopentane)	fixed roof	isopentane	41 thousand bbl
447	Tank 311 (Isopentane)	fixed roof	isopentane	41 thousand bbl

S#	Description	Make or Type	Model	Capacity
	Tank 1007 (Blendstock	internal floating roof	gasoline,	243 thousand bbl
448	Receiving)	-	others	
449	Tank 285 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl
			ground-	3 gpm continuously
	Groundwater Extraction		water	
450	Trenches		remediation	
		external floating roof	naphtha,	81 thousand bbl
			gasoline,	
451	Tank 695		others	
<u>453</u>	U236 Cooling Tower	Induced draft	<u>Unknown</u>	<u>5,500 gpm</u>
<u>454</u>	U238 Cooling Tower	Induced draft	<u>Unknown</u>	8,000 gpm
<u>455</u>	U240 Cooling Tower	Induced draft	<u>Unknown</u>	<u>30,000 gpm</u>
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day
	U250, B-701 Heater	NA	process	50.2 MM-BTU/hr
461	(natural gas, refinery fuel gas)		heater	
	U215 Fuel Gas Caustic	NA	NA	4.2 million scf/day of fuel
462	Treatment System			gas
	U215 Butane Caustic Treatment	NA	NA	1,000 bbl/day of butane
463	System			
			Claus	245 long ton/day for
	G 16 Pl + H : 224 (: 1 I:			S1001, <u>S</u> 1002 and <u>S</u> 1003
1001	Sulfur Plant Unit 234 (including			(271 long ton/day after
1001	aux. burner)		- CI	execution of A/C 5814)
			Claus	245 long ton/day for
	G 16 a Disast Hair 226 Cast Alias			S1001, <u>S</u> 1002 and <u>S</u> 1003
1002	Sulfur Plant Unit 236 (including			(271 long ton/day after
1002	aux. burner, water stripper)		Claus	execution of A/C 5814) 245 long ton/day for
			Claus	S1001, <u>S</u> 1002 and <u>S</u> 1003
	Sulfur Plant Unit 238 (including			(271 long ton/day after
1003	aux. burner)			execution of A/C 5814)
1003	uun. buillei)			7,500 gpm during media
				filter backwash and 7,000
	U100 Dissolved Air Flotation			gpm during all other
1007	Unit (with fixed roof)			times
	U100 Primary Stormwater			7000 gpm2.3 MMgal
1008	Basin			, 000 Spin <u>2.5 mingui</u>
1009	U100 Main Stormwater Basin		1	7000 gpm7.2 MMgal

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
1	Sulfur Plant Tail-Gas	S1001	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
1	Sulfur Plant Tail-Gas	S1001	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
2	Sulfur Plant Tail-Gas	S1002	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
2	Sulfur Plant Tail-Gas	S1002	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
3	Sulfur Plant Tail-Gas	S1003	BAAQMD	none	95% of H2S in
	Treatment Plant	tailgas	9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
3	Sulfur Plant Tail-Gas	S1003	BAAQMD	none	0.08 grain/dscf
	Treatment Plant	tailgas	6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
4	SCR System	S43	BAAQMD	NOx, O2 CEMs	40 ppmv NOx
			Condition		at 3% O2 (over
			1694		8-hr period)
					except at
					startup and
					shutdown
4	SCR System	S43	BAAQMD	none	50 ppmv CO at
			Condition		3% O2
			1694		(monthly
					average)
					except at
					startup and
					shutdown
6	SCR System	S351	BAAQMD	NOx, O2 CEMs	20 ppmv NOx
			Condition		at 3% O2 (over
			1694		3-hr period)
					except at
					startup and
					shutdown
7	Vapor Recovery System (3	Tanks	BAAQMD	none	nuisance odors
	electrically driven	S139,	7-301, 7-302,		
	compressors)	S140,	7-303		
		S182,			
		S388,			
		S433,			
		S445,			
		S446,			
		S447			
7	Vapor Recovery System (3	S139,	SIP 8-5-311.3	None	95% overall
	electrically driven	S140,			control of
	compressors)	S182			emissions

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Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System (3	S139,	BAAQMD	None	95% overall
	electrically driven	S140, S182	8-5-306		control of
	compressors)				emissions
7	Vapor Recovery System (3	S449	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		11219		fuel gas system
7	Vapor Recovery System (3	S433	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		7353		fuel gas system
7	Vapor Recovery System (3	S445	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12130		fuel gas system
7	Vapor Recovery System (3	S446	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12131		fuel gas system
7	Vapor Recovery System (3	S447	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12132		fuel gas system
7	Vapor Recovery System (3	S182	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		13184		fuel gas system
8	Stretford Evaporative Cooler	S301	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
8	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4

Table II B – Abatement Devices

A #	D	Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
9	Stretford Evaporative Cooler	S302	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-
	0 0 17 0 1		D		wide basis
9	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
10	Stretford Evaporative Cooler	S303	BAAQMD	none	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis
10	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dscf
			6-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
13	SCR System	S352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S355	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
13	SCR System	S352,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S355	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-357
13	SCR System	S352	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301	(or CO2) CEM	15% O2
14	SCR System	S353,	BAAQMD	NOx CEM	66 lb/hr NOx
		S356	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set
14	SCR System	S353,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S356	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-357
14	SCR System	S353	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301	CO2 CEM	15% O2
15	SCR System	S354,	BAAQMD	NOx CEM	66 lb/hr NOx
		S357	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					357; 528
					lb/day NOx
					per
					turbine/duct
					burner set

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
15	SCR System	S354,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S357	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-357
15	SCR System	S354	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301	(or CO2) CEM	15% O2
16	SCR System	S371	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
16	SCR System	S371	BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)
17	SCR System	S372	BAAQMD	none	20 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part C2		average)
17	SCR System	S372	BAAQMD	none	50 ppmv CO at
			Condition		3% O2 (3-hr
			1694, Part C3		average)
20	Activated Carbon Silo	S380	BAAQMD	differential pressure	normal range
	Baghouse		Regulations		
			6-301		
			6-305		
			6-310		
			6-311		
			BAAQMD		
			Condition		
			18251		

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A-#	Description	Controlled	Requirement	Parameters	Efficiency
21	Diatomaceous Earth Silo	S389	BAAQMD	differential pressure	normal range
	Baghouse		Regulations		
			6-301		
			6-305		
			6-310		
			6-311		
			BAAQMD		
			Condition		
			18251		
36	SCR System	S36	BAAQMD	NOx, O2 CEM	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			21097		average)
46	SCR System	S438	BAAQMD	NOx, O2 CEMs	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			1694, Part E		average)
46	SCR System	S438	BAAQMD	none	32 ppmv CO at
			Condition		3% O2 (daily
			1694, Part E		average)
50	Hydrogen Plant Vent	S307	BAAQMD	None	15 lb/day POC
	Scrubber		8-2-301		from emission
					streams with
					more than 300
					ppm total
					carbon
113	SCR System	S13	BAAQMD	NOx, O2 CEM	0.033 lb
			9-10-301		NOx/MMBTU
					refinery-wide
					limit

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A- #	Description	Controlled	Requirement	Parameters	Efficiency
420	Marine Terminal Thermal	S425	BAAQMD	None	2 pounds POC
	Oxidizer	S426	8-44-301		per 1,000 bbl
					loaded OR at
					least 95% by
					weight
					reduction of
					POC emissions
420	Marine Terminal Thermal	S425	40 CFR	None	fuel gas H2S
	Oxidizer	S426	60.104(a)(1)		concentration
					limited to 230
					mg/dscm (0.10
					gr/dscf)
			NSPS 40 CFR	None	None
			60 Subpart A		
461	SCR System	S461	BAAQMD	NOx, O2 CEM	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			21096		average)

<u>Table II C – Significant Sources</u>

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

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

Table II <u>CD</u> – 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

Table II $\underbrace{\textbf{CD}}$ – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
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
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

Table II $\underbrace{\textbf{CD}}$ – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
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
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

Table II $\underbrace{\textbf{C}\underline{\textbf{D}}}$ – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
429	Marine Loading Berth B4	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
<u>452</u>	U230 Cooling Tower	BAAQMD 2-1-128.4
<u>456</u>	U110 Cooling Tower	BAAQMD 2-1-128.4
<u>457</u>	U228 Cooling Tower	BAAQMD 2-1-128.4
<u>458</u>	U200 Cooling Tower	BAAQMD 2-1-128.4
500	ULSD <u>220/250</u> Cooling Tower	BAAQMD 2-1-128.4

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisionsincluded 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 (<u>12/21/048/01/01</u>)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 2	New Source Review (<u>12/21/04</u> <u>5/17/00</u>)	N
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1

III. Generally Applicable Requirements

Table III Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 2, Rule 4	Emissions Banking (<u>12/21/04</u> 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 (<u>4/16/035/2/01</u>)	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 (6/2/046/5/02)	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 (<u>3/6/0211/2/94</u>)	N
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (06/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y - note 1
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface	<u>Y</u>
	Coating Operations (10/16/02)	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (1/21/04)	Y – note 2
SIP Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization (7/20/83)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	<u>Y</u>
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y – note 1
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y - note 1
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	<u>Y</u>
BAAQMD Regulation 11, Rule 2	<u>Hazardous Pollutants - Asbestos Demolition, Renovation</u> and Manufacturing (10/7/98)	<u>Y</u>
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/99)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y - note 1
Notification Requirement – Process Unit Startup and Shutdown	Notification Requirement – Process Unit Startup and Shutdown (Permit Section VI)	N
California Health and Safety Code Section 41750 et seq.	Portable Equipment	<u>N</u>
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	<u>N</u>
40 CFR Part 61, Subpart MSubpart M, 40 CFR 61	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)Asbestos Demolition and Renovation	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
Subpart H, 40 CFR 82.270(b)	Prohibitions, Halon	Y

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

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-544	Monthly Summary	Y	
BAAQMD	General Requirements (8/1/0112/21/04)		
Regulation 2,			
Rule 1 2-1-429	Federal Emissions Statement	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	1	
Regulation 6	Tartemate Matter and Visible Diffisions (12/17/70)		
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	M. II. O. C. 111 (115 II.)	37	
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day	Y	
DA A OMD	and 300 ppm total carbon on a dry basis		
BAAQMD Regulation 8,	General Solvent and Surface Coating Operations (05/15/96)		
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	
8-4-301 SIP	General Solvent and Surface Coating Operations (12/23/97)	1	
Regulation 8,	General Solvent and Surface Coating Operations (12/23/77)		
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	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-603	Determination of Emissions	Y	
8-5-603.2	Tank degassing equipment	Y	
BAAQMD	Emulsified and Liquid Asphalts (09/16/87)		
Regulation 8,			
Rule 15			
8-15-305	Prohibition of Manufacturer and Sale	Y	
8-15-501	Manufacturing Records	Y	
BAAQMD	Aeration of Contaminated Soil and Removal of Underground		
Regulation 8,	Storage Tanks (12/15/01)		
Rule 40			
8-40-116	Exemption, Small Volume	Y	
8-40-205	Contaminated Soil	Y	
8-40-306	Contaminated Soil – Excavation and Removal	Y	
8-40-601	Contaminated Soil Sampling	Y	
8-40-604	Measurement of Organic Concentration	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-110.1	comply with monitoring, records and reporting requirements of	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	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	Y	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	Install a sulfur recovery plant	N	
9-1-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540,	Y	
	1-542, 1-543, 1-544)		
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
9-1-604	Ground Level Monitoring	Y	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,	[only provisions which are different than current BAAQMD		
Rule 1	regulation are listed]		
9-1-313.2	Operation of a sulfur removal and recovery system that removes	Y	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and		
	ammonia from process water streams		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
NESHAP Part	National Emission Standard for Benzene Waste Operations		
61 <u>.</u>	(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(b)	Applicability: hazardous waste	<u>Y</u>	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Exemption for gaseous streams routed to fuel gas systems	<u>Y</u>	
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	
61.342(g)	Compliance determined by review of records, test results, and inspections	<u>Y</u>	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(a)	Determination of total annual benzene quantity from facility waste	<u>Y</u>	
61.355(b)	Determination at point of waste generation	<u>Y</u>	
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	¥	
61.355(c)	Determination of flow-weighted annual average benzene concentration	Y	
61.355(e)(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	¥	
61.356	Recordkeeping requirements	Y	
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.356(b)(1)	Records for uncontrolled streams	<u>Y</u>	
61.356(b)(5)	Records for turnaround waste	<u>Y</u>	
61.357	Reporting requirements	Y	
61.357(a)	Reports after startup	<u>Y</u>	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
BAAQMD Regulation 11, -Rule 12	Incorporates by reference 40 CFR 61 Subpart FF	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants for	Y	
40 CFR 63 <u>,</u>	Source Categories		
Subpart A			
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	

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Revision dated:

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.4	Prohibited activities	Y	
63.5	Construction and reconstruction	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
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	Y	
(2.14	Offices	37	
63.14	Incorporation by references	Y Y	
	Availability of Information & Confidentiality	Y	
NESHAP	National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions; and Requirements for		
40 CFR 63.	Control Technology Determinations for Major Sources in		
Subpart B	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	Y	12/29/03
	63.53(b) for Combustion Turbines		
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	12/29/03
	63.53(b) for Site Remediation		
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	6/27/04
	63.53(b) for Boilers and Process Heaters		
63.52(e)(1)	Submit a Part 2 MACT application meeting the requirements of	Y	6/27/04
	63.53(b) for Reciprocating Internal Combustion Engines		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources, including compliance date for affected sources	Y	
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
MACT	National Emissions Standards for Hazardous Air Pollutants		
40 CFR 63 <u>.</u> Subpart CC	from Petroleum Refineries (8/18/95)		
63.640(a)	applies to petroleum refining process units and to related emission points	Y	
63.640(c)(3)	wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(1)	exclusion for stormwater from segregated stormwater sewers	Y	
63.640(d)(5)	exclusion for eEmission points routed to a fuel gas system	<u>Y</u>	
63.640(f)	Applicability and Designation of Affected Sources	Y	
63.640(g)	Applicability and Designation of Affected Sources-Exempt processes	Y	
63.640(h)	Applicability and Designation of Affected Sources-Compliance dates	Y	
63.640(i)	Applicability and Designation of Affected Sources-New petroleum refining processes	Y	
63.640(j)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(k)	Applicability and Designation of Affected Sources-Changes to existing petroleum units	Y	
63.640(1)	Applicability and Designation of Affected Sources-Additional requirements for new or changed sources	Y	
63.640(1)(3)	owner/operator of a petroleum refining wastewater stream shall comply with the recordkeeping and reporting requirements including the reports of (l)(3)(i) through (l)(3)(vii) of this section	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks	<u>Y</u>	
63.642	General Standards		
63.642(a)	apply for a Part 70 or Part 71 operating permit	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.642(c)	Table 6 of this subpart specifies the Subpart A provisions that apply.	Y	
63.642(d)	initial performance tests and compliance determinations shall be required only as specified in this subpart	Y	
63.642(e)	keep copies of all applicable reports and records for at least 5 years, except as otherwise specified in this subpart.	Y	
63.642(f)	all reports required by this subpart shall be sent to the Administrator	Y	
63.642(g)	existing source owners/operators shall control emissions of organic HAPs to the level represented by the equation in this paragraph	Y	
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	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.647(c)	Owners/operators required under Subpart FF of 40 CFR Part 61 to perform periodic measurement of benzene concentration in wastewater, or to monitor process or control device operating parameters shall operate consistently with the permitted concentration or operating parameter values.	Y	
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall comply with the provisions of 40 CFR Part 60 Subpart VV and paragraph (b) of this section except as provided in paragraphs (a)(1), (a)(2), and (c) through (i) of this section. New source owners/operators shall comply with Subpart H of this part except as provided in paragraphs (c) through (i) of this section.	Y	
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	

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(a)	Owner/operators subject to the wastewater provisions of 63.647	Y	
	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.		
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
S2 – 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		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)		
Rule 10		N	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring GD 102	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD	[-	
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05

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

92 – 6MI 227, D -301 HEATER			
Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	1/1/05
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	N	1/1/05
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	N	1/1/05
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

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

	S3 – UNIT 230, B-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	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	r r		
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube	Y	
	cleaning [Basis: Regulation Regulation 2-6-409.2]		
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis:	Y	
	Regulation Regulation 2-6-409.2]		
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
D . T.6	409.2]		
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative	Y	
D . D 6	Increase]		
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			

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

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

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

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

Applicable Requirement	S4 – UNIT 231, B-101 HEATER Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
BAAQMD Condition 1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	1/1/05

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

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

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/021/5/94)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	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.4 Source-specific Applicable Requirements S5 – UNIT 231, B-102 HEATER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	N	1/1/05

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

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

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

	57 - UNII 231, D-103 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	
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	

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

Applicable	Regulation Title or	Federally Enforceable	Future 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	
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube	Y	
	cleaning [Basis: Regulation Regulation 2-6-409.2]		
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis:	Y	
	Regulation Regulation 2-6-409.2]		
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05

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

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

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

	,	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	Y	
1-520.1	NOx, O2 monitors for steam generators with capacity of 250 MM BTU/hr or more	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	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)		

$\begin{tabular}{ll} Table IV-A.6 \\ Source-specific Applicable Requirements \\ S8-Unit 240, B-1 Boiler \\ \end{tabular}$

	50 - UNII 240, D-1 DOILER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

		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	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			

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

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement BAAQMD	Description of Requirement General Provisions and Definitions (5/2/01)	(Y/N)	Date
Regulation 1	0.2002)		
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	

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

	510 - UNII 240, B-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
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			

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

Applicable	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	

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

	S11 – UNIT 240, B-201 HEATER	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			
6-301	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis:	Y	

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

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

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

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

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

	512 - UNII 240, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			

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

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

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

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

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

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

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

	D. Let. With	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

	S14 – 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			
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)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	

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

	S14 – UNIT 240, B-401 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S8, S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	1/1/05
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

	515 – UNII 244, D-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			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		

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

	S15 – UNIT 244, B-501 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limit for S15, S16, S17, S18 and S19 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05

Table IV – A.13 Source-specific Applicable Requirements S15 – UNIT 244, B-501 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	1/1/05
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

	510 - CHII 244, B-302 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			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
	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	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			

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

	510 - UNII 244, D-302 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	409.2]		
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	1/1/05
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

Applicable	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	
1-521	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	

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

	517 - UNIT 244, D-303 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	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.15 Source-specific Applicable Requirements S17 – UNIT 244, B-503 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	1/1/05
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

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

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

	Federally Future			
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
BAAQMD	General Provisions and Definitions (5/2/01)			
Regulation 1				
1-107	Combination of Emissions	Y		
1-521	Monitoring May Be Required	Y		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures			
1-522.4	reporting of inoperative CEMs	Y		
1-522.5	CEM calibration requirements	Y		
1-522.6	CEM accuracy requirements	Y		
1-522.7	emission limit exceedance reporting requirements	N		
1-522.8	monitoring data submittal requirements	Y		
1-522.9	recordkeeping requirements	Y		
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y		
1-602	Area and Continuous Monitoring Requirements	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	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y		
Manual of				
Procedures,				
Volume V				
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon			
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters			
Rule 10	in Petroleum Refineries (7/17/02)			
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N		
9-10-301.1	Start-up/Shutdown Contribution	N		
9-10-301.2	Out-of-Service Units Contribution	N		
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N		
9-10-303	Federal Facility-wide NOx emission rate limit	Y		

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

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

	517 - CMI 244, D-303 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			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	

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

	S19 – UNIT 244, B-505 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	N	1/1/05

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

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

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

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

		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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-10-504.1	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD Condition	Throughput limits for S20 [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	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

Facility Name: ConocoPhillips Company – San Francisco Refinery Permit for Facility #: A0016

IV. Source Specific Applicable Requirements

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

	S21 – UNIT 244, B-507 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	
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S21 [Basis: 2-1-234.3]	Y	
Condition			

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

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

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (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	
9-10-603	Compliance Determination	Y	

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S22 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	1/1/05
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	N	1/1/05
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	N	1/1/05
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

	S29 – UNII 200, B-5 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

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

	527 - UNII 200, B-3 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S29 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

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

	550 - UNII 200, B-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S30 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			

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

	550 - CMI 200, D-101 HEATER				
		Federally	Future		
Applicable	Regulation Title or	Enforceable	Effective		
Requirement	Description of Requirement	(Y/N)	Date		
BAAQMD					
Condition					
21235					
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05		
	9-10-301, 305]				
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05		
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	1/1/05		
	Regulation 9-10-502]				
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05		
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05		
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05		
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	N	1/1/05		
	10-502]				
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	N	1/1/05		
	[Basis: Regulation 9-10-502]				
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05		
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05		

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S31 [Basis: 2-1-234.3]	Y	
Condition	_		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05

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

	551 CMI 200, B 501 HEATER			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	1/1/05	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05	

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

A	December 1974	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		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 District	Y	startup date
1-602	Area and Continuous Monitoring Requirements	N	startup date

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP	PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99)		startup date
Regulation 1		V mate 1	
	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		startup date
Regulation 2, Rule 1	(<u>12/21/04</u> 5/ 2/01; SIP approved 1/26/99 {adopted 11/01/89})		
2-1-403	Permit conditions requiring measurement of emissions	N	startup date
2-1-403	Monitors shall comply with Volume V of the Manual of Procedures	Y	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE	1	startup date
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		startup date
Rule 1	termits, General Requirements (1/20/7) (unopted 11/01/07)		
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	startup date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)	1 11010 1	startup date
Regulation 6	Turteduce Marter and Visible Emissions (12/17/70)		startup date
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			1
Procedures,			
Volume V			
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		startup date
40 CFR 60			
Subpart J			
60.100	Applicability	Y	startup date
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	startup date
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	startup date
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	startup date
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	startup date
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	startup date

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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			
21097			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	startup date
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	startup date
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	after initial
			performance
			test
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase, Toxic	Y, except for	after initial
	Management]	ammonia	performance
		limit (Toxic	test
		Management)	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	startup date
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative	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, SO2	Y	startup date
	Bubble]		
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2	Y	startup date
	Bubble]		
Part 8	Initial source test requirement [Basis: BACT, Cumulative Increase,	Y, except for	90 days after
	Toxic Management]	ammonia	startup
		limit (Toxic	-

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
		Management)	
Part 9	Initial source test procedures TRS reporting requirements [Basis:	Y, except for	90 days after
	BACT, Cumulative Increase, Toxic Management]	ammonia	startup
		limit (Toxic	
		Management)	
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	startup date
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	startup date
	Cumulative Increase, Toxic Management Policy]		

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

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

Applicable	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		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	

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

	545 – UNII 200, D-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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		
Regulation 2,	(<u>12/21/04</u> 5/2/01; 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	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	

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

	S43 – UNII 200, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	N	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	

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

Applicable Requirement Description of Requirement Description of Requirement Poscription Poscription of Requirement Poscription Poscription Poscription of Requirement Poscription Poscription Poscription Poscription Poscription of Requirement Poscription P		545 - CMI 200, B-202 HEATER	Federally	Future
Requirement Description of Requirement (Y/N) Date Specification 7 BAAQMD Condition 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] Y Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3b TRS testing requirement [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] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.6 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.7 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.8 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.9 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.9 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.9 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.9 S43, S44 NOX, O2 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.9 S43, S44 NOX, O2 CEM requirement [Basis: Regulation P.10-301, 305] N Part D.9 S44, S45, S44 NOX, O2 CEM requirement [Basis: Regulation P.10-502] N Part D.9 S44, S45, S45, S45, S45, S45, S45, S45,	Applicable	Regulation Title or	=	
BAAQMD Condition 1694 Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] Y Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Y Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.6 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.7 S44, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.8 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.8 S43, S44 NOx, O2 CEM requirement [Basis: Regulation N	Requirement			
Condition 1694	Specification 7			
Part A.1 Heat ratings, firing limits Basis: Regulation 2-1-234.3 Y Part A.2a Fuel restrictions Basis: Regulation 2, Rule 1 Y Part A.3a TRS testing requirement Basis: SO2 Bubble Y Part A.3b TRS reporting requirements Basis: SO2 Bubble Y Part A.4 SO2 emission limit Basis: SO2 Bubble Y Part A.5 Records Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2 Part D.1 S43 abatement requirement Basis: BACT, Cumulative Increase Y Part D.2 S43, S44 NOx emission limits Basis: BACT, Cumulative Increase Y Part D.3 S43, S44 CO emission limits Basis: BACT, Cumulative Increase Y Part D.4 S43, S44 NOx, O2 CEM requirement Basis: BACT, Cumulative Y Increase Throughput limits for source S43 Basis: 2-1-234.3 Y BAAQMD Condition 20989, Part A BAAQMD Condition 21235 Part 1 Sources subject to Regulation 9-10-301 and 305 Basis: Regulation N 1/1/05 Part 2 O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs Basis: N Regulation 9-10-502 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502, 1-522 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502, 1-522 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502, 1-522 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502, 1-522 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Part 9 CO, O2 CEM requirement Basis: Regulation 9-10-502 N 1/1/05 Par	BAAQMD			
Part A.1 Heat ratings, firing limits [Basis: Regulation 2-1-234.3] Y Part A.2a Fuel restrictions [Basis: Regulation 2, Rule 1] Y Part A.3a TRS testing requirement [Basis: SO2 Bubble] Y Part A.3b TRS reporting requirements [Basis: SO2 Bubble] Y Part A.4 SO2 emission limit [Basis: SO2 Bubble] Y Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: BACT, Cumulative Increase] N Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: Regulation 9-10-502] N Part D.4 S43, S44 NOx, O3 CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.4 S43, S44 NOX, O3 CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.4 S43, S44 NOX, O3 CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.4 S43, S44 NOX, O3 CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.5 Part D.5 NOX CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.5 Part D.5 NOX CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.5 Part D.5 NOX CEM requirement [Basis: Regulation 9-10-502, 1-502] N Part D.5 Part D.5 NOX CEM requirement [Condition			
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] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] BAAQMD Throughput limits for source S43 [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 N 1/1/05] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	1694			
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] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: Regulation Part Part Part Part Part Part Part Part	Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	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] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.6 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.7 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.8 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.9 Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation Increase] Part 1 Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation Increase] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] Part 8 CO source test requirement for sources with NOx CEMs [Basis: November 17.105] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] November 17.105	Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	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] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.5 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.6 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.7 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.8 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Part D.8 S43, S44 NOx, O2 CEM requirement [Basis: Regulation Part Part Part Part Part Part Part Part	Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.5 Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6- 409.2] Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] BAAQMD Condition 20989, Part A BAAQMD Condition 21235 Part 1 Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05 Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part D.1 S43 abatement requirement [Basis: BACT, Cumulative Increase] Y Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Part D.5 Part D.6 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] BAAQMD Throughput limits for source S43 [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 N 1/1/05 9-10-301, 305] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05 Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part D.2 S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase] Y Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Increase] BAAQMD Throughput limits for source S43 [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 Part 2 O2 CEM requirement [Basis: Regulation Part 3 O2 CEM requirement [Basis: Regulation Part 4 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05 Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part A.5		Y	
Part D.3 S43, S44 CO emission limits [Basis: BACT, Cumulative Increase] Y Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] Y Increase] BAAQMD Throughput limits for source S43 [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] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part D.1	S43 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part D.4 S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase] BAAQMD Throughput limits for source S43 [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 N 1/1/05 9-10-301, 305] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05 Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part D.2	S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Increase Increase	Part D.3	S43, S44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Condition 20989, Part A BAAQMD Condition 21235 Part 1 Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305] N 1/1/05 Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N N 1/1/05 Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part D.4	* *	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 1/1/05 Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N N 1/1/05 Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	BAAQMD	Throughput limits for source S43 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235 Part 1 Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305] N 1/1/05 Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N N 1/1/05 Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Condition			
Condition 21235 Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation N 9-10-301, 305] 1/1/05 Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N Regulation 9-10-502] N 1/1/05 Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	20989, Part A			
Part 1 Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation 9-10-301, 305] N 1/1/05 Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N N 1/1/05 Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	BAAQMD			
Part 1 Sources subject to Regulation 9-10–301 and 305 [Basis: Regulation N 9-10-301, 305] Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05] Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Condition			
9-10-301, 305] N 1/1/05 Part 2 O2 CEM requirement [Basis: Regulation 9-10-502] N 1/1/05 Part 8 CO source test requirement for sources with NOx CEMs [Basis: N N 1/1/05 Regulation 9-10-502] Regulation 9-10-502, 1-522 N 1/1/05	21235			
Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05] Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part 1		N	1/1/05
Part 8 CO source test requirement for sources with NOx CEMs [Basis: N 1/1/05] Regulation 9-10-502] Part 9 CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522] N 1/1/05	Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
	Part 8	-	N	1/1/05
	Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
	Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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

	544 – UNII 200, B-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	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		
Regulation 2,	(<u>12/21/04</u> 5/ 2/01; 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	
Manual of			

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

	S44 – UNIT 200, B-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Procedures,	1 1		
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)		
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	

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

	544 – UNII 200, D-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60	2001,2001	-	
Appendix A			
NSPS	Performance Specifications		
40 CFR 60	-		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part D.2	S43, S44 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.3	S43, S44 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part D.4	S43, S44 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S44 [Basis: 2-1-234.3]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

Table IV – A.27 Source-specific Applicable Requirements S50, S51, S52 – TURBINE STARTUP ENGINES

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9,	Internal Combustion Engines (8/1/01)		
Rule 8			
9-8-111.1	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.28 Source-specific Applicable Requirements S53, S54, S55, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-303.1	Ringelmann #2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions		
Regulation 9,	Limitations (3/15/95)		
Rule 1			
9-1-304	Fuel Burning (Liquid and Solid fuels)	Y	
BAAQMD	Nitrogen Oxides And Carbon Monoxide From Stationary		
Regulation 9,	Internal Combustion Engines (8/1/01)		
Rule 8			
9-8-330	Emergency Standby Engines, Hours of Operation	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	

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

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

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

	S336 – UNIT 231, B-104 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	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))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
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]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for source S336 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

	5557 - UNII 251, B-105 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
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	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		

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

	S337 - UNII 231, B-103 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	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			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for source S337 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation	N	1/1/05
	9-10-301, 305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	N	1/1/05
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	N	1/1/05
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	N	1/1/05
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	N	1/1/05
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	N	1/1/05

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

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

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

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	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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		
Regulation 2,	(5/2/01<u>12/21/04</u>; SIP approved 1/26/99 {adopted 11/01/89})		

Revision dated:

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

A 11 11		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement Rule 1	Description of Requirement	(Y/N)	Date
2-1-403	Domnit conditions requiring massyroment of emissions	N	
	Permit conditions requiring measurement of emissions		
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	Description of the second of t	37	
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	Discolution #1 Limitation	V	
	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y Y	
6-310.3	Particulate Weight Limitation		
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9, Rule 10	Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)		
9-10-301		N	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N N	
9-10-301.1	Start-up/Shutdown ContributionOut-of-Service Units Contribution	N N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N Y	
9-10-303	Federal Facility-wide NOx emission rate limit CO emission limit		
9-10-305		N	
9-10-502	Monitoring CDMG 6 NO CO 102	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	

Revision dated:

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

	5551 - UNII 207, B-001/002 HEATERS	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part B.1	S351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part B.3	S351 NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S351 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

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 (5/2/01)		
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	

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

	5571 – UNIT 228, B-520 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.8	monitoring data submittal requirements	Y	Dute
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by	Y	
1 022.10	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	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	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.32 Source-specific Applicable Requirements S371 – UNIT 228, B-520 FURNACE

	S371 – UNIT 228, B-520 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
	•		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part C.1	S371, S372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S371 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	

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

	5372 - UNII 220, D- 321 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMBTU	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	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	

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

	5572 - UNII 220, D-321 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
, , ,	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part C.1	S371, S372 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative Increase]	Y	
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S372 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 305 [Basis: Regulation 9-10-301, 305]	N	1/1/05
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	N	1/1/05
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	N	1/1/05
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	N	1/1/05
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	N	1/1/05

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.34 Source-specific Applicable Requirements S438 – Unit 110, H-1 Furnace

	S438 – UNIT 110, H-1 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (5/2/01)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	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)	Y	
Manual of			
Procedures,			
Volume V			
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		

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

	5450 CHI IIV, II I I ORIVICE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part E.1	S438 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.2	S438 annual firing limit [Basis: Cumulative Increase]	Y	
Part E.3	S438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.4	S438 NOx and CO emission limits [Basis: BACT, Cumulative Increase]	Y	
Part E.5	S438 fuel gas TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.6	S438 Records [Basis: Recordkeeping]	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		startup date
1-520	Continuous Emission Monitoring	Y	startup date
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	startup date
1-521	Monitoring May Be Required	Y	startup date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		startup date
1-522.4	reporting of inoperative CEMs	Y	startup date
1-522.5	CEM calibration requirements	Y	startup date
1-522.6	CEM accuracy requirements	Y	startup date
1-522.7	emission limit exceedance reporting requirements	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) 12/21/04)		
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 Procedures	Y	startup date
SIP	PROVISIONS NO LONGER IN CURRENT RULE		startup date
Regulation 2,	Permits, General Requirements (1/26/99-{adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	startup date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		startup date
Regulation 6			

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann #1 Limitation	Y	startup date
6-305	Visible Particles	Y	startup date
6-310.3	Particulate Weight Limitation	Y	startup date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	startup date
Manual of			
Procedures,			
Volume V			
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		startup date
40 CFR 60			
Subpart J			
60.100	Applicability	Y	startup date
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	startup date
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	startup date
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	startup date
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	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

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

Applicable Requirement Part 3a	Regulation Title or Description of Requirement	Federally Enforceable	Future Effective
Requirement		Elliorceable	
	Description of Requirement	(\$7/\$T)	
Part 3a	Abetement requirement [Design DACT Computation Insurant	(Y/N) Y	Date after initial
	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	
			performance
D	The state of the s		test
	Emission rate limits [Basis: BACT, Cumulative Increase, Toxic	Y, except for	after initial
	Management]	ammonia	performance
		limit (Toxic	test
		Management)	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	startup date
	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	startup date
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	startup date
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	startup date
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	startup date
Part 8	Initial source test requirement [Basis: BACT, Cumulative Increase,	Y, except for	90 days after
	Toxic Management]	ammonia	startup
		limit (Toxic	
		Management)	
Part 9	Initial source test procedures TRS reporting requirements [Basis:	Y, except for	90 days after
	BACT, Cumulative Increase, Toxic Management]	ammonia	startup
		limit (Toxic	
		Management)	
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup date
	Monitoring and repair program requirement [Basis: BACT]	Y	startup date
	ULSD project component count report requirement [Basis: BACT,	Y	startup date
	Cumulative Increase, Toxic Management Policy]		r

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

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

	STOLDEL WESTERN WASTEWATER SOM	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		

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

	5401 DRI WEATHER WASTEWATER SOM	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	result in VOC emissions.		
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a	Y	
	process unit shutdown, record the expected date of a successful		
	repair.		
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if	Y	
	an emission point or equipment problem is not repaired or corrected		
	in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown		
	shall be recorded.		
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	
	with the provisions of this subpart shall be kept for the life of the		
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be	Y	
	kept.		
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	Y	
	the required inspections have been carried out in accordance with		
	Subpart QQQ standards.		
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	
	all inspections when cracks, gaps, or other problems that could result		
	in VOC emissions are identified, including information about the		
	repairs or corrective actions taken		
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 S400, S401 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

	SOLITINI OIL, WASILWALLA SELAMATOI	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		

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

	S324 AI I OIL/ WASTEWATER SEPARATOR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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		
	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.		
60.697(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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Requirement	with the provisions of this subpart shall be kept for the life of the	(1/11)	Dutc
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	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 [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative Increase]	Y	
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limit for source S324 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

Revision dated:

Table IV – D
Source-specific Applicable Requirements
S1007 DISSOLVED AIR FLOTATION UNIT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	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 S1007 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

Revision dated:

Table IV - E Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS S381 AERATION TANK F-201 S382 AERATION TANK F-202 S383 CLARIFIER F-203 S384 CLARIFIER F-204

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

Table IV - F Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS S1008 PRIMARY STORMWATER BASIN S1009 MAIN STORMWATER BASIN

Applicable Requirement	Regulation Title or	Federally Enforceable	Future Effective Date
Requirement BAAQMD	Description of Requirement Wastewater (Oil-Water) Separator (6/15/94)	(Y/N) N	Date
Regulation 8,	wastewater (On-water) Separator (0/13/24)	14	
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: record requirements for water which bypasses normal treatment and is diverted to S1008, S1009	Y	
BAAQMD			
Condition			
1440			
Part 2	Minimize diversion of wastewater to S1008, S1009 [Basis:	Y	

Table IV - F Source-specific Applicable Requirements – Wastewater PONDS/BIOTREATERS/SURFACE IMPOUNDMENTS S1008 PRIMARY STORMWATER BASIN S1009 MAIN STORMWATER BASIN

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	Cumulative Increase]		
Part 3	Records of wastewater diversions to S1008, S1009 [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S1008, S1009 [Basis: 2-1-234.3]	Y	

$Table\ IV-G$ Source-specific Applicable Requirements – Miscellaneous Wastewater Sources Subject to Condition 1440

S385 – WASTEWATER EFFLUENT MEDIA FILTER F-207 S386 – PAC REGENERATION SLUDGE THICKENER F-211 S387 – WET AIR REGENERATION SYSTEM P-202 S390 – THICKENED SLUDGE STORAGE F-106 S392 – REGENERATED PAC SLURRY STORAGE F-266

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 4c	No detectable VOC from equipment [Basis: Cumulative Increase]	Y	
Part 5	Semiannual VOC monitoring and records [Basis: Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for sources S385, S386, S387, S390, S392	Y	
Condition	[Basis: 2-1-234.3]		
20989, Part			
A			

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
BAAQMD	Wastewater (Oil-Water) Separator (6/15/94)	N	
Regulation 8,			
Rule 8			
8-8-308	Junction Box: equipped with either a solid, gasketed, fixed cover	Y	
	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		
Subpart	[APPLIES ONLY TO J-BOXES DOWNSTREAM OF S400,		
QQQ	S401 SUMPS]		
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 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	
	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	

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
	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(2)	Record the location, date, and corrective action for inspections required by 60.692-2(b) when a broken seal, gap or other problem is identified that could result in VOC emissions.	Y	
60.697(e)(1)	If an emission npoint cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	

Revision dated:

 $Table\ IV-I$ Source-specific Applicable Requirements $Wastewater\ Process\ Sewers/Sewer\ Lines-S324\ Oil/Water\ Separator\ only$

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown shall be recorded.		
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	
	with the provisions of this subpart shall be kept for the life of the		
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be	Y	
	kept.		
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	Y	
	the required inspections have been carried out in accordance with		
	Subpart QQQ standards.		
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	
	all inspections when cracks, gaps, or other problems that could result		
	in VOC emissions are identified, including information about the		
	repairs or corrective actions taken		

Table IV - 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
S294 – 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	
8-7-301.3	Submerged Fill Pipes	Y	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers	Y	
	Guidelines or CARB Executive Order		
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppetted Drybreaks	Y	
8-7-301.8	No Coaxial Phase 1 Systems on New and Modified Tanks	Y	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	Y	
8-7-301.10	System Vapor Recovery Rate	Y	
8-7-301.11	CARB-Certified Spill Box	Y	
8-7-301.12	Drain Valve Permanently Plugged	Y	
8-7-301.13	Annual Phase I testing	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Insertion Interlocks	Y	
8-7-302.7	Built-In Vapor Check Valve	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose	Y	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y	
8-7-302.12	Liquid Retainment Limit	Y	
8-7-302.13	Spitting Limit	YN	
8-7-302.14	Annual balance Phase II backpressure test	Y	
8-7-302.15	Annual vacuum assist Phase II test	N	
8-7-303	Topping Off	Y	

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

	5274 – NON-RETAIL GASOLINE DISTENSING F	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Dispensed Records	Y	
8-7-503.2	Dispensing Facility Maintenance Records	Y	
8-7-503.3	Dispensing Records Retention	Y	
BAAQMD	Gasoline throughput shall not exceed 400,000 gallons in any	N	
Condition	consecutive 12-month period. [Basis: Toxic Risk Policy]		
7523			
BAAQMD	Throughput limits for S294 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			
BAAQMD			
Condition			
18680			
Part 1	Operation and maintenance standards for vapor recovery system	N	
	(CARB Executive Order VR-101)		
Part 2	36-month testing requirement	N	

Table IV -<u>L.1</u> Source-specific Applicable Requirements S296 – C-1 FLARE

S398 - MP-30 FLARE

	3370 - WH - 30 F LAKE	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	
BAAQMD	Organic Compounds - General Provisions (6/15/94)		
Regulation 8,			
Rule 1			
<u>8 1 110</u>	<u>Exemptions</u>	¥	
<u>8 1 110.3</u>	Reduction due to incineration	¥	
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation			
12 <u>, -Rule</u> 11			
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	12/4/04
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	
<u>40 CFR</u>	New Source Performance Standards - General Provisions	<u>Y</u>	
<u>Part 60</u>	(12/23/71)		
Subpart A			
<u>60.1</u>	Applicability	<u>Y</u>	
60.2	<u>Definitions</u>	<u>Y</u>	
60.3	Units and abbreviations	<u>Y</u>	
60.4	Address	<u>Y</u>	
<u>60.5</u>	Determination of construction or modification	<u>Y</u>	
<u>60.6</u>	Review of plans	<u>Y</u>	
<u>60.7</u>	Notification and record keeping	<u>Y</u>	

Table IV -<u>L.1</u> Source-specific Applicable Requirements S296 – C-1 FLARE

S398 - MP-30 FLARE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
<u>60.8</u>	Performance tests	<u>Y</u>	
<u>60.9</u>	Availability of information	<u>Y</u>	
60.10	State authority	<u>Y</u>	
<u>60.11</u>	Compliance with standards and maintenance requirements	<u>Y</u>	
<u>60.11(a)</u>	Compliance determined by performance tests	<u>Y</u>	
<u>60.11(d)</u>	Control devices operated using good air pollution control practice	<u>Y</u>	
60.12	Circumstances	<u>Y</u>	
<u>60.14</u>	Modifications	<u>Y</u>	
<u>60.15</u>	Reconstruction	<u>Y</u>	
<u>60.16</u>	Priority list	<u>Y</u>	
60.17	Incorporation by reference	<u>Y</u>	
60.19	General notification and reporting requirements	<u>Y</u>	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60	[S398 ONLY]		
Subpart J			
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit if the flare is used only for upsets or	Y	
	emergency malfunctions		
BAAQMD			
Condition			
18255			
Part 1	Flaring rate limit [Basis: Regs & 1 110.3, 2 1 403]	¥	12/1/04
Part 2	Hourly flare rate recordkeeping during flaring events [Basis: Regs & 1	¥	12/1/04
	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 S398 [Basis: Reg 2 1 403,	¥	12/1/04
	4 0 CFR-60.104(a)(1) for S398]		

Revision dated:

Table IV – L.2 Source-specific Applicable Requirements <u>\$296 - C-1 Flare</u>

S398 - MP-30 FLARE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD	Organic Compounds - General Provisions (6/15/94)		
Regulation 8.			
Rule-1			
<u>8 1 110</u>	Exemptions	¥	
<u>8 1 110.3</u>	Reduction due to incineration	¥	
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation			
12, -Rule 11			
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	<u>12/4/04</u>
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	09/4/04
12-11-507	Video Monitoring	N	
40 CFR	New Source Performance Standards - General Provisions	<u>Y</u>	
<u>Part 60</u>	<u>(12/23/71)</u>		
Subpart A			
<u>60.1</u>	<u>Applicability</u>	<u>Y</u>	
<u>60.2</u>	<u>Definitions</u>	<u>Y</u>	
<u>60.3</u>	<u>Units and abbreviations</u>	<u>Y</u>	
<u>60.4</u>	Address	<u>Y</u>	
<u>60.5</u>	<u>Determination of construction or modification</u>	<u>Y</u>	
<u>60.6</u>	Review of plans	<u>Y</u>	
<u>60.7</u>	Notification and record keeping	<u>¥</u>	

Table IV – L.2 Source-specific Applicable Requirements <u>\$296 - C-1 Flare</u>

S398 – MP-30 FLARE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
<u>60.8</u>	Performance tests	<u>Y</u>	
<u>60.9</u>	Availability of information	<u>Y</u>	
<u>60.10</u>	State authority	<u>Y</u>	
<u>60.11</u>	Compliance with standards and maintenance requirements	<u>Y</u>	
<u>60.11(a)</u>	Compliance determined by performance tests	<u>Y</u>	
<u>60.11(d)</u>	Control devices operated using good air pollution control practice	<u>Y</u>	
<u>60.12</u>	Circumstances	<u>Y</u>	
<u>60.14</u>	Modifications	<u>Y</u>	
<u>60.15</u>	Reconstruction	<u>Y</u>	
<u>60.16</u>	Priority list	<u>Y</u>	
<u>60.17</u>	Incorporation by reference	$\underline{\underline{\mathbf{Y}}}$	
<u>60.19</u>	General notification and reporting requirements	<u>Y</u>	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60	[S398 ONLY]		
Subpart J			
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	Exempt from fuel gas H2S limit if the flare is used only for upsets or	Y	
	emergency malfunctions		
BAAQMD			
Condition			
18255			
Part 1	Flaring rate limit [Basis: Regs & 1 110.3, 2 1 403]	¥	12/1/04
Part 2	Hourly flare rate recordkeeping during flaring events [Basis: Regs 8-1-	¥	12/1/04
	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	<u>12/1/04</u>
Part 5	Flaring event compliance criteria [Basis: Reg 2-6-403]	Y	<u>12/1/04</u>
Part 6	Flaring event records [Basis: Regs 2-6-501, 2-6-409.2]	Y	<u>12/1/04</u>
Part 7	Limitation on type of flare gas processed at S398 [Basis: Reg 2 1 403,	¥	<u>12/1/04</u>
	40 CFR 60.104(a)(1) for S398]		

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

	S300 – 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 (1/21/2004)		
Regulation 8,			
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic 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 atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD	-		
Condition			

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

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

Table IV – N

Source-specific Applicable Requirements – Process Vessels S304 – U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha Hydrotreater when modified in accordance with A/C 5814) S305 – U-230 Prefractionator / Naphtha Hydrotreater S306 – U-231 Platforming Unit; S307 – U-240 Unicracking Unit S308 – U-244 Reforming Unit; S309 – U-248 Unisar Unit S318 – U-76 Gasoline / Mid-Barrel Blending Unit S319 – U-215 Gasoline Fractionating Unit S322 – U-40 Raw materials Receiving

	111DROGENT EANT, 5400 - C-250 CESD III	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Miscellaneous Operations (6/15/94)		
Regulation 8,			
Rule 2	APPLICABLE TO S307 ONLY		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and	Y	
	300 ppm carbon on a dry basis		
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	¥	
	combustion or venting to fuel gas systems		
8-9-601	Determination of Emissions	¥	
BAAQMD	Organic Compound – Process Vessel Depressurization (1/21/2004)		
Regulation 8,			
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	release to atmosphere		
8-10-302.2	Organic compound concentration of a refinery process vessel may	N	
	exceed 10,000 ppm prior to release to atmosphere provided total		
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	N	
	with initial report of process vessels due 4/1/2004.		
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	

Table IV – N

Source-specific Applicable Requirements – Process Vessels
S304 – U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha
Hydrotreater when modified in accordance with A/C 5814)
S305 – U-230 Prefractionator / Naphtha Hydrotreater
S306 – U-231 Platforming Unit; S307 – U-240 Unicracking Unit
S308 – U-244 Reforming Unit; S309 – U-248 Unisar Unit
S318 – U-76 Gasoline / Mid-Barrel Blending Unit
S319 – U-215 Gasoline Fractionating Unit
S322 – U-40 Raw materials Receiving

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD	APPLICABLE TO S304 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

Table IV – N

Source-specific Applicable Requirements – Process Vessels
S304 – U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha
Hydrotreater when modified in accordance with A/C 5814)
S305 – U-230 Prefractionator / Naphtha Hydrotreater
S306 – U-231 Platforming Unit; S307 – U-240 Unicracking Unit
S308 – U-244 Reforming Unit; S309 – U-248 Unisar Unit
S318 – U-76 Gasoline / Mid-Barrel Blending Unit
S319 – U-215 Gasoline Fractionating Unit
S322 – U-40 Raw materials Receiving

	11 12 13 14 15 16 17 17 18 18 18 18 18 18	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement		
Requirement	Description of Requirement	(Y/N)	Date
			modified in
			accordance
			with A/C
D			5814
BAAQMD	APPLICABLE TO S307 ONLY		
Condition			
6671			
Part 1	Abatement requirement for E-421 condenser vent at A-50 scrubber [Basis: Regulation 8-2-301]	Y	
Part 2	Efficiency requirement for A-50 scrubber raw material throughput [Basis: Regulation 8-2-301]	Y	
Part 3	Requirement to treat A-50 blowdown at wastewater treatment plant	Y	
	[Basis: Cumulative Increase]		
Part 4	Daily A-50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
Part 6	Annual source test requirement [Basis: Regulation 2-6-409.2]		
BAAQMD	APPLICABLE TO S307 AND S308 ONLY		
Condition			
20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	¥	
Part 2	Submittal requirement for Operation, Maintenance, and Monitoring	¥	4/11/05
	Plan		
BAAQMD	APPLICABLE TO S460 ONLY		
Condition			
21094			
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

Table IV – N

Source-specific Applicable Requirements – Process Vessels
S304 – U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha
Hydrotreater when modified in accordance with A/C 5814)
S305 – U-230 Prefractionator / Naphtha Hydrotreater
S306 – U-231 Platforming Unit; S307 – U-240 Unicracking Unit
S308 – U-244 Reforming Unit; S309 – U-248 Unisar Unit
S318 – U-76 Gasoline / Mid-Barrel Blending Unit
S319 – U-215 Gasoline Fractionating Unit
S322 – U-40 Raw materials Receiving

	5437 – HYDROGEN I LANI, 5400 – U-230 ULSD HY	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	APPLICABLE TO S304, S460 ONLY		
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	startup/modi
			fication date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	startup/modi
			fication date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	startup/modi
			fication date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	startup/modi
			fication date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	startup/modi
			fication date
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	startup/modi
	Cumulative Increase, Toxic Management Policy]		fication date
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	Notification
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		by 8/9/02;
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		compliance
	[APPLICABLE TO S30 <u>6</u> 7 AND S308 ONLY]		by 4/11/05
BAAQMD	Throughput limits for S304, S305, S306, S307, S435, S436, S437	Y	
Condition	(S304 only until modified in accordance with A/C 5814) [Basis: 2-		
20989, Part	1-234.3]		
A			
BAAQMD	Throughput limits for S308, S309, S318, S319 [Basis: 2-1-234.3]	N	
Condition			
20989, Part			

Table IV – N

Source-specific Applicable Requirements – Process Vessels
S304 – U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha
Hydrotreater when modified in accordance with A/C 5814)
S305 – U-230 Prefractionator / Naphtha Hydrotreater
S306 – U-231 Platforming Unit; S307 – U-240 Unicracking Unit
S308 – U-244 Reforming Unit; S309 – U-248 Unisar Unit
S318 – U-76 Gasoline / Mid-Barrel Blending Unit
S319 – U-215 Gasoline Fractionating Unit
S322 – U-40 Raw materials Receiving
S435 – Reformate Splitter; S436 – Deisopentanizer

S437 - Hydrogen Plant; S460 - U-250 ULSD Hydrotreater

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

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

	5550 – U-207 CRUDE DISTILLATION UNI		
		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 (1/21/2004)		
Regulation 8,			
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	release to atmosphere		
8-10-302.2	Organic compound concentration of a refinery process vessel may	N	
	exceed 10,000 ppm prior to release to atmosphere provided total		
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	N	
	with initial report of process vessels due 4/1/2004.		
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD Condition 383			
Part 1a	Sulfur content limit in crude [Basis: Cumulative Increase]	Y	
Part 1b	Crude analysis requirement [Basis: Cumulative Increase]	Y	
Part 2	Daily, average daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Monthly recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative Increase]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	modification date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	modification date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	modification date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	modification date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	modification date
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	modification date

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Process Vessel Depressurization (1/21/2004)		
Regulation 8, Rule 10			
8-10-301	Depressurization Control Options	N	
	<u> </u>		
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may	N	
	exceed 10,000 ppm prior to release to atmosphere provided total		
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	N	
	with initial report of process vessels due 4/1/2004.		
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	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	approximate quantity of 1000 emissions to uninospinote	1	

Permit for Facility #: A0016

IV. Source Specific Applicable Requirements

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

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

Table IV – Q.1 Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	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	Y	
Manual of	(1/20/82)		
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary		
Regulation 9,	Gas Turbines (9/21/94)		
Rule 9			
9-9-113	Exemption - Inspection/Maintenance	Y	
9-9-114	Exemption - Startup/Shutdown	Y	
9-9-301	Emission Limits – General	Y	
9-9-301.3	Emission Limits	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

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

$\label{eq:control_equation} Table~IV-Q.1$ Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	
60.334(b)	Fuel Sulfur Content	Y	
60.334(c)(2)	Excess Emissions – SO2	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S352 and S355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S353 and S356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S354 and S357 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:	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Cumulative Increase]		
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur	Y	
	measurements [Basis: Cumulative Increase]		
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified		
Condition	5/26/89. The basis for each section is PSD.		
18629			
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MM BTU/hr firing rate limit for each of 3 turbine/duct burner	Y	
D / IV D 2	sets	37	
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	

Facility Name: ConocoPhillips Company – San Francisco Refinery

Permit for Facility #: A0016

IV. Source Specific Applicable Requirements

Table IV – Q.1 Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

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

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

Table IV – Q.2 Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

		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	

Table IV – Q.2

Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

	3337 - SOFFLENIENTAL DUCT BURNERS FO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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	Y	
Manual of	(1/20/82)		

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Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Procedures,			
Volume V			
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)	37	
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
NSPS	Standards of Performance for Industrial-Commercial-		
40 CFR 60	Institutional Steam Generating Units (3/13/00)		
Subpart Db			
60.40b(a)	Applicability	Y	
60.40b(c)	Affected facilities subject to Subpart J are subject to PM and NOx	Y	
	standards in Subpart Db and SO2 standards in Subpart J		
60.40b(f)	Modification for the sole purpose of combusting gases containing	Y	
	TRS is not a modification		
60.40b(j)	Units subject to Subpart Db are not subject to Subpart D	Y	
60.44b(a)	NOx Standard	Y	
60.44b(a)(4)(i)	NOx standard for duct burner used in combined cycle system for	Y	
	natural gas-firing only conditions		
60.44b(e)	NOx standard for refinery-produced byproduct (i.e., fuel gas) with	Y	
	oil or natural gas combustion.		
60.44b(f)	NOx standard for refinery-produced byproduct with oil or natural	Y	
	gas combustion may be determined on a case-by-case basis (based		
	on 25 ppmv NOx standard for PSD Permit Condition 18629, Part		
	IX.E).		
60.44b(h)	NOx standard applicable at all times	Y	
60.44b(i)	30-day rolling average	Y	
60.46b	Compliance/Performance test Methods for NOx	Y	
60.46b(b)	NOx standard applicable at all times		
60.48b	Emission Monitoring for NOx		
60.48b(b)(1)	Install, calibrate, and operate CEM and record output for measuring	Y	
	NOx discharges		
60.48b(c)	Record data during all periods of operation of CEM except during	Y	
	breakdown and repairs		

Table IV – Q.2

Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.48b(d)	Continuous NOx monitors measure 1-hr average emission rates	Y	
60.48b(e)	Complies with 60.13	Y	
60.48b(e)(2)	Span values for NOx	Y	
60.48b(e)(3)	Span values for NOx rounded to nearest 500 ppm	Y	
60.48b(f)	Standby monitoring system and test methods	Y	
60.48b(g)	NOx CEM requirements for units with 250 MM BTU/hr heat input capacity or less	Y	
60.48b(g)(1)	NOx CEM requirements for units with 250 MM BTU/hr heat input capacity or less	Y	
60.48b(h)	NOx CEM not required if subject to §60.44b(a)(4) for natural gas firing-only conditions	Y	
60.49b	Reporting and Recordkeeping	Y	
60.49b(d)	Record amounts of each fuel combusted/day and calculate annual capacity factors at a 12-month rolling average	Y	
60.49b(g)	Recordkeeping – NOx data	Y	
60.49b(h)	Excess emission reports	Y	
60.49b(h)(2)(i)	Combusts natural gas, distillate oil, or residual oil with nitrogen content of 0.3 weight percent or less – for natural gas firing-only conditions	Y	
60.49b(h)(2)(ii)	Heat input capacity of affected units is 250 MM BTU/hr or less and NOx CEM is required under 60.48b(g)(1)	Y	
60.49b(h)(4)	Excess emission definition	Y	
60.49b(i)	Reports of 60.49b(g) data	Y	
60.49b(o)	Records retained for 2 years	Y	
60.49b(v)	Electronic quarterly reports	Y	
60.49b(w)	Semi-annual reports	Y	
NSPS	Standards of Performance for Petroleum Refineries (10/2/90)		
40 CFR 60			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at	Y	

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Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – Supplemental Duct Burners for S353

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion	Y	
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
BAAQMD Condition 12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative Increase]	Y	
Part 2	Restriction on duct burner operation to times when associated turbine is also operated [Basis: BACT, Cumulative Increase]	Y	
Part 3	Abatement requirement for S352 and S355 at A-13 [Basis: BACT, Cumulative Increase]	Y	
Part 4	Abatement requirement for S353 and S356 at A-14 [Basis: BACT, Cumulative Increase]	Y	
Part 5	Abatement requirement for S354 and S357 at A-15 [Basis: BACT, Cumulative Increase]	Y	
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative Increase]	Y	
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 9b	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis:	Y	

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Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

	5557 - SUITEEMENTAL DUCT BURNERS FO.	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Cumulative Increase]		
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur	Y	
	measurements [Basis: Cumulative Increase]		
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	PSD Approval to Construct / Modify issued 3/3/86, modified		
Condition	5/26/89. The basis for each section is PSD.		
18629			
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MM BTU/hr firing rate limit for each of 3 turbine/duct burner	Y	
	sets		
Part IX.D.3	1048 MM BTU/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	

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Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

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

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

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

		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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-303.1	General Operating Requirements	N	
8-16-303.3.1	Operate and maintain in proper working order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16- 303.1.4(a)	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	N	
8-16-303.1.6	Solvent Spray Requirements	N	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	N	
8-16-303.3	Cold Cleaner General Equipment Requirements	N	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	N	
8-16-303.3.3	Used Solvent Returned to Container	N	
8-16-303.3.4	Label Stating Operating Requirements	N	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance Cleaning	N	
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely methylated siloxane (VMS)	N	
8-16-501	Solvent Records	N	
8-16-501.2	Facility-wide Annual Solvent Usage Records	N	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe Cleaning	N	
8-16-501.5	Records Retained for Previous 24 Month Period	N	
SIP	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	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-16-303.1.4	Waste Solvent Disposal	Y – note 1	
8-16-	Covered Containers for Waste Solvent Awaiting Pick-up	Y – note 1	
303.1.4(a)			
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be	Y – note 1	
	Removed		
8-16-303.1.6	Solvent Spray Requirements	Y – note 1	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y – note 1	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y – note 1	
8-16-303.3.3	Used Solvent Returned to Container	Y – note 1	
8-16-303.3.4	Label Stating Operating Requirements	Y – note 1	
8-16-501	Solvent Records	Y – note 1	
8-16-501.2	Facility-wide Quarterly Solvent Usage Records	Y – note 1	
BAAQMD			
Condition			
16677			
Part 1	Net usage of citrus-based solvent at S376, S377 and S378 shall not	Y	
	exceed 150 gallons each in any consecutive 12-month period.		
	[Basis: Cumulative Increase]		
Part 2	Criteria for using solvents other than citrus-based solvents.	Y	
	[Basis: Cumulative Increase and Toxic Risk Screen]		
Part 3a, 3b,	Recordkeeping requirements.	Y	
3c	[Basis: Cumulative Increase and Toxic Risk Screen]		

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.

Revision dated:

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

	9420 - MARINE LOADING BERTH M2	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Marine Vessel Loading Terminals (1/4/89)	Y	
Regulation 8,			
Rule 44			
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-301	Marine Terminal Loading Limit	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lb per 1000 bbl) of organic liquid loaded, or	Y	
8-44-301.2	POC emissions reduced 95% by weight from uncontrolled conditions	Y	
8-44-302	Emission control equipment	Y	
8-44-303	Operating practice	Y	
8-44-304	Equipment Maintenance	Y	
8-44-304.1	Certified leak free, gas tight and in good working order	Y	
8-44-304.2	Loading ceases any time gas or liquid leaks are discovered	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other	Y	
	rules		
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	

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

	S420 – WIARINE LOADING BERTH WIZ	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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			
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(l), and actual	Y	
	throughputs, by commodity, for 5 years		
BAAQMD			
Condition			
4336			

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IV. Source Specific Applicable Requirements

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

	12 2 1 1 2		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
Part 5	maximum loading pressure relative to relief valve setpoint [Basis:	Y	
	Cumulative Increase]		
Part 6	throughput limit for regulated materials [Basis: Cumulative Increase]	Y	
Part 7	recordkeeping requirement [Basis: Cumulative Increase]		
BAAQMD	Throughput limits for sources S425, S426 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

Table IV - T
Source-specific Applicable Requirements
S450 – 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 S1001 - SULFUR PLANT UNIT 234 , S1002 - SULFUR PLANT UNIT 236 S1003 - SULFUR PLANT UNIT 238, S301 - MOLTEN SULFUR PIT 234 S302 - MOLTEN SULFUR PIT 236 AND S303 - MOLTEN SULFUR PIT 238

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	N	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams (sulfur recovery is required when a facility removes 16.5 ton/day or more of elemental sulfur).	N	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9, Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y – note 1	
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	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			

Table IV – U

Source-specific Applicable Requirements

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

55	U2 - MOLTEN SULFUR PIT 236 AND 83U3 - MOLTEN 8		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 1	Annual source test requirement to verify H2S and ammonia removal	¥	
	efficiency. [Basis: Regulation 9-1-313.2]		
Part 2	H2S and ammonia source test reporting requirement.	¥	
Part 3	Annual source test to verify SO3 and H2SO4 exhaust	Y	
	concentrations. [Basis: Regulation 6-330]		
Part 4	Visible emissions monitoring for particulate [Basis: Regulation	<u>Y</u>	
	<u>2-6-503]</u>		
BAAQMD			
Condition			
20620			
Part 1	Application requirement for 40 CFR63, Subpart UUU	¥	
Part 2	Submittal requirement for Operation, Maintenance, and Monitoring	¥	4/11/05
	Plan		
BAAQMD	APPLICABLE TO S1002, S1003 ONLY		
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	modification
	, , ,		date
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	modification
	g · ya · · · · · · g · · · · · · · · · · · ·		date
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	modification
1 411 0	[Small Size]	-	date
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	modification
Tart 4	Eight hydrocaroon centifugar pump requirements [Basis: Bree1]	1	date
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	modification
Part 3	Monitoring and repair program requirement [basis. bAC1]	ĭ	
D (6	III CD	7.7	date
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	modification
	Cumulative Increase, Toxic Management Policy]		date
BAAQMD	Throughput limits for sources S1001, S1002, S1003, S301, S302,	N	
Condition	S303 [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 S370 – ISOMERIZATION UNIT 228

	5570 - ISOMERIZATION CHIT 220	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compound – Process Vessel Depressurization (1/21/2004)		
Regulation 8,			
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	release to atmosphere		
8-10-302.2	Organic compound concentration of a refinery process vessel may	N	
	exceed 10,000 ppm prior to release to atmosphere provided total		
	number of such vessels during 5-year period does not exceed 10%		
8-10-401	Turnaround Records. Annual report due February 1 of each year	N	
	with initial report of process vessels due 4/1/2004.		
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic Compound – Process Vessel Depressurization (7/20/83)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	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	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	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 S370 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Throughput limits for S380 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

Table IV – X
Source-specific Applicable Requirements
S389 – DIATOMACEOUS EARTH SILO (F-214)

5569 – DIATOMACEOUS EARTH SILO (F-214)					
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					
6-301	Ringelmann Number 1 Limitation	Y			
6-305	Visible Particles	Y			
6-310	Particulate Weight Limitation	Y			
6-311	General Operations (process weight rate limitation)	Y			
6-401	Appearance of Emissions	Y			
BAAQMD Condition 18251					
Part 1b	Abatement requirement [Basis: Regulation 2-1-234]	Y			
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-441]	Y			
Part 2c	Baghouse differential pressure monitoring requirement [Basis: Regulation 1-441]	Y			
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation 1-441]	Y			
BAAQMD	Throughput limits for S389 [Basis: 2-1-234.3]	Y			
Condition					
20989, Part					
A					

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

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

	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 (S350)	Y	Y	Y	N	Y	N	N	N	Y
Unit 228 (S370)	Y	Y	Y	N	Y	N	N	N	Y

	Table IV- AA								
	Fugitive Sources: Applicable Requirements								
Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Hydrogen Manufacturing UnitUnit 110 (S4378)	Y	Y	Y	N	Y	N	N	N	Y
Unit 100 (S324, S1007, S388 per Condition 1860, Part 3)	Y	Y	N	Y	N	N	N	N	Y
Unit 233 (S338)	Y	Y	NA	NA	NA	NA	NA	NA	NA

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

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO					
Applicable	Regulation Title or	Federally Enforceable	Future Effective			
Requirement	Description of Requirement	(Y/N)	Date			
BAAQMD	Organic Compounds-Equipment Leaks (11/27/02)	(1/14)	Date			
Regulation 8-18	Organic Compounts-Equipment Leaks (11/21/02)					
8-18-100	General/Applicability	Y				
8-18-200	Definitions	Y				
8-18-200	General Standard	Y				
8-18-302	Valves	Y				
8-18-303		Y				
8-18-304	Pumps and compressors Connections	Y				
		+				
8-18-305	Pressure relief devices	Y				
8-18-306	Non-repairable equipment	Y				
8-18-307	Liquid Leaks	Y				
8-18-308	Alternate compliance	Y				
8-18-401	Inspection	Y				
8-18-402	Identification	Y				
8-18-403	Visual inspection schedule	Y				
8-18-404	Alternate inspection schedule	Y				
8-18-405	Alternate inspection reduction plan	Y				
8-18-406	Interim Compliance	Y				
8-18-501	Portable Hydrocarbon Detector	Y				
8-18-502	Records	Y				
BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum					
Regulation 8-28	Refineries and Chemical Plants (3/18/98)					
8-28-100	General/Applicability	Y				
8-28-200	Definitions	Y				
8-28-302	Pressure Relief Devices at New or Modified Sources at Petroleum Refineries	Y				
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	Y				
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	Y				
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	Y				
8-28-402	Inspection	Y				
8-28-403	Records	Y				
8-28-404	Identification	Y				
8-28-405	Prevention Measures Procedures	Y				

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS Part 60			
Subpart GGG			
applies to the			
S350 crude unit,			
S370			
isomerization			
unit, S438			
hydrogen plant			
NSPS Part 60	Standards of Performance for Equipment Leaks (Fugitive		
Subpart GGG;	Emission Sources) (5/30/84);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-59	(4/19/89)		
40 CFR 60.590	Applicability	Y	
60.591	Definitions	Y	
60.592	Subject to provisions of Part 60, Subpart VV	Y	
60.593	Exceptions	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart GGG	Y	
Regulation 10-59			
NSPS Part 60			
Subpart QQQ			
applies to the			
S1007 dissolved			
air flotation unit			
and the S324			
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)	37	
40 CFR 60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-5	Closed-vent systems and control devices Standards	¥	
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	

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

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO.	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.698	Reporting	Y	Date
	Incorporates by reference 40 CFR 60 Subpart QQQ		
BAAQMD	Incorporates by reference 40 CFR ou Subpart QQQ	Y	
Regulation 10-69			
NSPS Part 60			
Subpart VV			
applies to the			
S350 crude unit, S370			
isomerization			
unit, S43 <u>7</u> 8			
hydrogen plant			
NSPS Part 60	Standards of Performance for Equipment Leaks (Fugitive	Y	
Subpart VV;	Emission Sources) (8/18/95);	1	
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-52	(12/20/95)		
60.480	Applicability	Y	
60.481	Definitions	Y	
60.482-1	General Standards	Y	
60.482-2	Pump Standards:	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-1(c),	Y	
	60.482-2(d), (e), or (f)		
60.482-2(a)(2)	Weekly visual inspection of each pump, except for (e), (f), or (g)	Y	
60.482-2(b)	Air measurement >10,000 ppm or dripping liquid indicates leak	Y	
60.482-2(c)	Pump leak repair period	Y	
60.482-2(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2(e)	No detectable emission designation: <500 ppm	Y	
60.482-2(f)	Requirements for Closed Vent Systems	Y	
60.482-7(d)	Valve leak repair period	Y	
60.482-8	Pumps in heavy liquid service	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
60.482-3	Compressor Standards	Y	
60.482-4	Requirements for Pressure Relief Devices in gas/vapor service	Y	
60.482-5	Requirements for Sampling connecting systems	Y	

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

	COMI ONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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, pressure relief devices in light liquid	Y	
	or heavy liquid service, and connectors		
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	¥	
60.483-1, 60.483-	If a process unit has 5 consecutive quarters with <2% of valves	Y	
2, and BAAQMD	leaking at >10,000 ppm, then any individual valve which measures		
8-18-404.1	<100 ppm for 5 consecutive quarters may be monitored annually		
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart VV	Y	
Regulation 10-52			
NESHAP Part 63	National Emission Standards for Hazardous Air Pollutants from	Y	
Subpart CC	Petroleum Refineries		
63.640(a)	Applicability	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks.	Y	
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less	Y	
	stringent monitoring frequency		
63.648(d)	New sources	Y	

172 Revision dated:

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
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	

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 – <u>B</u>B<u>.</u>1 Source-Specific Applicable Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S433 (F224-MOSC)

	5435 (1224 WOSC)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD · Regulation 8,	Organic Compounds, Wastewater (Oil-Water Separators) (6/15/1994)		
Rule 8	REQUIREMENTS FOR SLUDGE DEWATERING UNITS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
NESHAPS Title 40 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		

$Table\ IV-\underline{B}B\underline{.}1$

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.640(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 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	
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	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	

Table IV - $\underline{B}B.1$

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60.697(c)	Recordkeeping Requirements	Y	Date
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(1)	Treverance p.m.g. recognition	_	
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(2)			
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(3)			
40 CFR	Recordkeeping Requirements	Y	
60.697(e)(4)			
40 CFR	Recordkeeping Requirements	Y	
60.697(f)(1)			
40 CFR	Recordkeeping Requirements	Y	
60.697(f)(2)			
40 CFR 60.698(c)	Reporting Requirements	Y	
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	REQUIREMENTS FOR RECORDKEEPING ONLY		
Kb			
40 CFR	Applicability and Designation of Affected Facility; Volatile organic	Y	
60.110b(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR	Applicability and Designation of Affected Facility; Exemptions for	Y	
60.110b(c)	storage vessels > or = to 75 cu m	V	
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a) 40 CFR	Manifesia and On anti-man Damana and manada and an anti-manada	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)	Womtoring of Operations, Determine 1 v1	1	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3)	Tromtoring or operations, Betermine 1 v1 other inquites	1	
40 CFR	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
60.116b(f)	variable composition)		
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 S433		
Condition 7353			
Part 1	Requirement to vent tank to fuel gas system [Basis: Cumulative Increase]	Y	
Part 2	Valve, pump design requirements [Basis: Cumulative Increase]	Y	
Part 3	Limitation on material stored [Basis: Cumulative Increase]	Y	
Part 4	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 5	Weekly throughput records [Basis: Recordkeeping]	Y	
BAAQMD Condition 20773			

Table IV $-\underline{B}B.1$

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

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

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

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

Table IV – <u>B</u>B<u>.</u>2 Source-Specific Applicable Requirements Low Vapor Pressure Permitted Tanks Subject to MACT Recordkeeping S118 (Tank 163)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for source S118 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			

Table IV – B<u>B.</u>3 Source-Specific Applicable Requirements LOW VAPOR PRESSURE PERMITTED TANKS < 10,000 GALLONS S117 (TANK 162), S193 (TANK 305), S194 (TANK 306)

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	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	Wastewater streams and treatment operations associated with petroleum	Y	
63.640(c)(3)	refining process units meeting the criteria of section 63.640(a)		
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 pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S238, S239 [Basis: 2-1-234.3]	N	

Table IV – B<u>B.</u>5

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

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

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

Table IV – B<u>B.</u>5

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-303	Standards: Gauging and Sampling Devices	Y	Dute
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	1	
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 VesselsAdditional requirements for Kb storage vessels	Y	
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
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	
NSPS Title 40 Part 60 Subpart QQQ	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery 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- 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	

Table IV – B<u>B.</u>5

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

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

	5175 (TANK 501), 5170 (TANK 502), 5300 (TANK 270/F 203)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD	APPLICABLE TO S388		
Condition 1860			
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 S388 in fugitive inspection program to verify compliance with Part 1 [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for sources S195 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			
BAAQMD	Throughput limits for source S196, S388 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

Table IV – B<u>B.</u>6 Source-Specific Applicable Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S121 (TANK 166)

	S121 (TANK 100)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
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,	Y	

Table IV – B<u>B.</u>6 Source-Specific Applicable Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S121 (TANK 166)

S121 (TANK 166)			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	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	
8-5-321.4	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	
NESHAPS Title			

Table IV – B<u>B.</u>6 Source-Specific Applicable Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S121 (TANK 166)

	5121 (TANK 100)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 Part 63	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
Subpart G			
40 CFR	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
63.119(a)(3)	storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)		
40 CFR	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
63.123(a)	only required to keep tank dimensions and capacity analysis. Retain for		
. ,	life of source.		
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	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 S121 [Basis: 2-1-234.3]	N	
Condition			
20989, Part A			

Table IV -BB.7

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

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

Table IV – B<u>B.</u>7 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Future Federally Applicable **Effective Regulation Title or** Enforceable Requirement **Description of Requirement** Date (Y/N)8-5-111.1 Limited Exemption, Tank Removal From and Return to Service; 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 8-5-111.3 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 Limited Exemption, Tank Removal From and Return to Service; 8-5-111.6 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 prior notification Limited Exemption, Tanks in Operation; Notice to the APCO; 8-5-112.1.2 Y Telephone notification 8-5-112.2 Limited Exemption, Tanks in Operation; Compliance and Y certification before commencement of work Y 8-5-112.3 Limited Exemption, Tanks in Operation; No product movement; minimization of emissions 8-5-112.4 Limited Exemption, Tanks in Operation; Exemption does not exceed Y Storage Tank Control Requirements (internal floating roof, external Y 8-5-301 floating roof, or approved emission control system) Y 8-5-304 Requirements for External Floating Roofs 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 Requirements for External Floating Roofs; Secondary seal 8-5-304.3 Y requirements Y 8-5-304.4 Requirements for External Floating Roofs; Floating roof requirements 8-5-320 Tank fitting requirements – Floating roof tanks 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 Tank fitting requirements – Floating roof tanks, Gasketed covers, Y 8-5-320.3

Table IV – B<u>B.</u>7 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	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	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	

Table IV – B<u>B.</u>7

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

8444 (TANK 243), 8451 (TANK 695)

	5444 (TANK 243), 5451 (TANK 093)	Esdanalla.	Future
Applicable	Domistion Title on	Federally	Effective
Requirement	Regulation Title or	Enforceable	
	Description of Requirement Replacement Records - Retain 10 years	(Y/N)	Date
0.5.502		V	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS 40 CFR	National Emission Standards for Hazardous Pollutants for		
63 Subpart CC	Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
40 CED (2 (40()(2)	TANKS ALSO SUBJECT TO NSPS Kb	***	
40 CFR 63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
40 CFR 63.640(n)(1)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsExisting Group 1 or Group 2 also subject to Kb		
	only subject to Kb and 63.640(n)(8).		
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(i)	Storage VesselsAdditional requirements for Kb storage vessels		
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		
-	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		
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		

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

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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; Record retention	Y	
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(1)	floating roof control equipment description and certification		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(2)	floating roof seal gap measurement report – content requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(3)	floating roof seal gap measurement records requirements		
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(4)	floating roof seal gap exceedance report		
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-crude oil and refined	Y	
60.116b(e)(2)	petroleum		
BAAQMD	APPLICABLE TO S439		
Condition 12124			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12125	APPLICABLE TO S440		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S442		
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 S444		
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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	APPLICABLE TO S451		
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	

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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	
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	

Table IV – B<u>B.</u>8 Source-Specific Applicable Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

		E.J	Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Telephone notification	(1/14)	Date
0.5.112.2	Limited Exemption, Tanks in Operation; Compliance and	V	
8-5-112.2	certification before commencement of work	Y	
0.5.110.2		Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
0.5.110.4	minimization of emissions	37	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed	Y	
0.5.201	7 days	37	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
0.5.202	floating roof, or approved emission control system)	37	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S106)	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S106)	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation (applies only to S106)		
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	Y	
6-3-304.4	requirements	1	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
0-3-320.2	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	
0 3 320.3	seals, lids –	•	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
0 0 0 20.5.1	seals, lids – Gap requirements	_	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0 0 0 20	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	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	gauging wells; Cover, seal, or lid	_	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0 3 320.1.3	gauging wells; Gap between the well and the roof	1	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.1	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
0- <i>3-32</i> 1.2	mounted except as provided in 8-5-305.1.3	1	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	

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Table IV – B<u>B.</u>8 Source-Specific Applicable Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

		Fodo:::	Future
Applicable	Dogwlotion Title on	Federally	Effective
Requirement	Regulation Title or	Enforceable	
	Description of Requirement	(Y/N)	Date
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements	Y	
0.5.221.2.2	Geometry of shoe	37	
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;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only	Y	
	to S106)		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
0 0 001.2	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to	Y	
	S106)	-	
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 Liters per second (300 gal per min)	Y	
8-8-302.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals	Y	
	SCUIS		

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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
8-8-302.2.1	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – liquid mounted primary seal gap criteria	Y	
8-8-302.2.2	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – secondary and wiper seals gap criteria	Y	
8-8-302.2.3	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters per second (300 gal per min); Floating roof tank with double seals – primary and secondary seal gap inspection	Y	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-503	Monitoring and Records: Inspection and Repair Records	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 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	
NSPS Title 40 Part 60 Subpart Kb	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks> 151 cu m with maximum TVP>=5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP>= 27.6 kPa and < 76.6 kPa	Y	
40 CFR 60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	

Table IV -BB.8

Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

		E. J U.	Future
Applicable	December 2 of Title on	Federally	Effective
Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Date
40 CFR	Standard for Volatile Organic Compounds (VOC); External floating	Υ Υ	Date
60.112b(a)(2)(iii)	roof floating requirements	1	
40 CFR	Testing and Procedures; External floating roof seal gap measurement	Y	
60.113b(b)(1)	frequency	1	
40 CFR	Testing and Procedures; External floating roof primary seal gaps	Y	
60.113b(b)(1)(i)	measurement frequency	-	
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		
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	37	
40 CFR	Testing and Procedures; External floating roof primary seals no	Y	
60.113b(b)(4)(i)(B) 40 CFR	holes, tears, openings Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)	limitations	1	
40 CFR	Testing and Procedures; External floating roof secondary seal	Y	
60.113b(b)(4)(ii)(A)	installation	1	
40 CFR	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(B)	resting and Procedures, External floating foor secondary sear gap	1	
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	

Table IV – B<u>B.</u>8

Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

	S101 (TANK 104), S102 (TANK 105), S106 (TA		E-4
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(6)(i)	repairs		
40 CFR 60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
40 CFR 60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
40 CFR 60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
40 CFR 60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
40 CFR 60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
40 CFR	Reporting and Recordkeeping Requirements; 60.112b(a) external	Y	
60.115b(b)(4)	floating roof seal gap exceedance report	V	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(e)(3) 40 CFR 60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
	variable composition)		
NSPS Title 40 Part 60 Subpart QQQ	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery Wastewater Systems REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT TO NSPS Kb		
40 CFR 60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
40 CFR 60.692-1	Standards: General	Y	
40 CFR 60.692-1(a)	Standards: General	Y	
40 CFR 60.692-1(b)	Standards: General	Y	
40 CFR 60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
40 CFR 60.692-3(d)	Standards: Oil-Water Separators (includes storage vessels) – Overlap with Kb	Y	
40 CFR 60.692-6	Standards: Delay of Repair	Y	
40 CFR 60.692-6(a)	Standards: Delay of Repair	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	
40 CFR 60.697(a)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(1)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(2)	Recordkeeping Requirements	Y	
40 CFR 60.697(e)(3)	Recordkeeping Requirements	Y	

Table IV – B<u>B.</u>8 Source-Specific Applicable Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS

S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 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 S101, S102, S106 [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 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	

	5440 (TANK 1007)		. .
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Telephone notification	Ì	
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	
0 0 112.0	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed	Y	
0 0 112	7 days		
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
0 0 001	floating roof, or approved emission control system)		
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.2	Requirements for Internal Floating roofs; Seals installed after	Y	
0 2 303.2	2/1/1993	1	
8-5-305.3	Requirements for Internal Floating roofs; Viewports in fixed roof	Y	
0 3 303.3	tank	1	
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	Y	
0-3-320.2	liquid surface except p/v valves and vacuum breaker vents	1	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
0-3-320.3	seals, lids	1	
8-5-320.3.1	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
0 3 320.3.1	seals, lids – Gap requirements	1	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers,	Y	
0 5 520.5.2	seals, lids – Inaccessible openings on internal floating roof tanks	1	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0 0 0 2 0	gauging wells		
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Projection below the liquid surface		
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Cover, seal, or lid		
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
	gauging wells; Gap between the well and the roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
0 0 021.2	mounted except as provided in 8-5-305.1.3	1	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements;	Y	
0.0.021.0.1	Geometry of shoe	•	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements;	Y	1
0.0.021.0.2	Gaps for welded tanks	•	
8-5-322	Secondary seal requirements	Y	
0 3 322	1 Secondary Sour requirements	1	1

Γ	S448 (TANK 1007)		l
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals	Y	
	installed after 2/1/93		
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration	Y	
	of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary	Y	
	and Secondary Seal Inspections – Seal gaps		
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual	Y	
	Inspection of Outer Most Seal		
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank	Y	
	Fitting Inspection		
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS 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	Y	
	subject to Kb and 63.640(n)(8).		
40 CFR 63.640(n)(8)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(ii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iii)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(8)(iv)	Storage VesselsAdditional requirements for Kb storage vessels		
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	

	5440 (TANK 1007)		
A 1° 1.1 .		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.640(n)(8)(v)	Storage VesselsAdditional requirements for Kb storage vessels		
NSPS Title 40 Part	NSPS Subpart Kb for Tanks (12/14/2000)		
60 Subpart Kb	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
•	TANKS		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	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; 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); 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		
40 CEP	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		
40 CED	60.113b(a)(3)(ii)	Y	
40 CFR	Testing and Procedures; Internal floating roof with double seal	Y	
60.113b(a)(3)	system, inspection requirements	37	
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	
40 CFK	resumg and procedures, internal moating root inspection	Y	

Table IV – B<u>B.9</u> Source-Specific Applicable Requirements NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(a)(4)	requirements each time tank is emptied and degassed (10 year intervals if complying with 40 CFR 60.113b(a)(3)(ii))		
40 CFR 60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y	
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
40 CFR 60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof tanks	Y	
40 CFR 60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y	
40 CFR 60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y	
40 CFR 60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y	
40 CFR 60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	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(c)	Monitoring of Operations; VOL storage record requirements	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 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8 Rule	REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
3	1 1		
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	

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Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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		
8-5-111.3	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 S126 and	Y	
	S258)		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies	Y	
	only to S126 and S258)		
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation (applies only to S126 and S258)		
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	Y	
	tank; not required if dome roof has translucent panels		
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	

200 Revision dated:

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Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS \$126 (Tanks 172) \$257 (Tanks 1924) \$259 (Tanks 1925)

S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; 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	

201 Revision dated:

63.119(b)(3)(i)

63.119(b)(3)(ii) 40 CFR

40 CFR

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

Future Federally **Applicable** Regulation Title or **Effective** Enforceable Requirement **Description of Requirement** Date (Y/N) 8-5-402.3 Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection Inspection Requirements for Pressure Vacuum Valves (applies only Y 8-5-403 to S126 and S258) 8-5-404 Certification Y 8-5-405 Information required Y 8-5-501 Records 8-5-501.1 Records; Type and amounts of liquid; true vapor pressure; Retain 24 Y 8-5-501.2 Records; Internal and External Floating Roof Tanks; Seal Y Replacement Records – Retain 10 years 8-5-503 Portable hydrocarbon detector 8-5-602 Analysis of Samples, True Vapor Pressure 8-5-604 Determination of Applicability Y 8-5-605 Pressure Vacuum Valve Gas Tight Determination (applies only to Y S126 and S258) NESHAPS Title 40 SOCMI HON G (01/27/1995) REQUIREMENTS FOR INTERNAL FLOATING ROOF Part 63 Subpart G TANKS 40 CFR 63.119(a) Storage Vessel Provisions -- Reference Control Technology 40 CFR Storage Vessel Provisions -- Reference Control Technology--Group Y 1, TVP < 76.6 kPa 63.119(a)(1) 40 CFR 63.119(b) Storage Vessel Provisions -- Reference Control Technology— Y Internal floating roof Storage Vessel Provisions -- Reference Control Technology--Y 40 CFR Internal floating roof--Must float on liquid 63.119(b)(1) Storage Vessel Provisions -- Reference Control Technology--Y 40 CFR 63.119(b)(1)(i) Internal floating roof -- Must float on liquid except during initial fill 40 CFR Storage Vessel Provisions -- Reference Control Technology--Y 63.119(b)(1)(ii) Internal floating roof-- Must float on liquid except after completely emptied and degassed Storage Vessel Provisions -- Reference Control Technology--Y 40 CFR Internal floating roof -- Must float on liquid except when completely 63.119(b)(1)(iii) emptied before refilling 40 CFR Storage Vessel Provisions -- Reference Control Technology--Internal Floating Roof Operations, when not floating 63.119(b)(2) Y 40 CFR Storage Vessel Provisions -- Reference Control Technology--63.119(b)(3) Internal floating roof – seals; must have at least one seal 40 CFR Storage Vessel Provisions -- Reference Control Technology--Y

Internal floating roof – seal option; single liquid-mounted seal

Storage Vessel Provisions -- Reference Control Technology--Internal floating roof - seal option; single metallic shoe seal

Storage Vessel Provisions -- Reference Control Technology--

Y

Y

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Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Regulation Title or Enforceable Eff	Future
Requirement Description of Requirement CY/N Internal floating roof - seal option; double seal, lower can be vapor mounted Hours of the compound of t	
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 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 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	Effective
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 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 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 Torontomic Compli	Date
40 CFR	
G3.119(b)(4)	
40 CFR 63.120(a) Storage Vessel Provisions Procedures to Determine Compliance	
Compliance DemonstrationInternal floating roof 40 CFR Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspection schedule 40 CFR Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspections tanks with double seals 40 CFR Storage Vessel Provisions Procedures to Determine Compliance— Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspections - tanks with double seals - annual visual inspection of IFR and secondary seal through manholes and roof hatches. Also must comply with 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— 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	
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membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]. Also must comply with annual visual inspection	
40 CFR 63.646(e)]. Also must comply with annual visual inspection	
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	

Table IV – B<u>B.</u>10

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)	(1/11)	Date
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	
40 CED (2 (4((1)	storage vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]	37	
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)	Storage vesser ProvisionsReferences to December 31, 1992	ĭ	
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F	1	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	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 CED 62 654(f)	notification requirements Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 CFR 63.654(f)	status report requirements	ĭ	
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)	status report requirementsReportingstorage vessels		
(1)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	

Table IV – B<u>B.</u>10

Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	Date
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 Requirements internal	Y	
63.654(g)(2)	floating roof tanks – submit results of each tank inspection where	1	
03.034(g)(2)	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	1	
03.034(g)(2)(1)	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	1	
03.034(g)(2)(1)(A)	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	1	
03.03 1(g)(2)(1)(D)	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	1	
05.05 1(g)(2)(1)(e)	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		
(2)()()	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	

Table IV – B<u>B.</u>10 Source-Specific Applicable Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS

PREVIOUSLY EXTERNAL FLOATING ROOF TANKS
S126 (TANK 172), S257 (TANK 1004), S258 (TANK 1005)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 sources S126, S257, S258 [Basis: 2-1-234.3]	N	

2 Seals in S257 and S258 were installed prior to 2/1/1993, but these tanks will be treated as zero-gap tanks because the seals have met these requirements when the tanks were considered external floating roof.

Table IV – B<u>B.</u>11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

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 FIXED ROOF TANKS		
8-5-111 8-5-111.1	Limited Exemption, Tank Removal From and Return to Service Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y 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	

206 Revision dated:

Table IV – B<u>B.</u>11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	2400
0.5 111.0	Written notice of completion not required	1	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance with Section 8-5-328	_	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			

Table IV – B<u>B.</u>11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

	5300 (TANK 223), S443 (TANK 271), S449 (TA	Federally	Future
		Enforceable	Effective
Applicable	Regulation Title or		
Requirement	Description of Requirement	(Y/N)	Date
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 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		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(a)(3)	and control device		
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) (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	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)	flare)		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)	flare) operating plan submission		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(i)	flare) operating planefficiency demonstration		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(ii)	flare) operating planmonitoring parameters		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(2)	flare) operate in accordance with operating plan		
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks; Record retention	Y	
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)	control device (not flare)		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(1)	control device (not flare) operating plan copy – Retain for life of control device		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(2)	control device (not flare) operating records – Retain for at least 2 years		
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a)			
40 CFR	Monitoring of Operations; Permanent record requirements	Y	
60.116b(b)			
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)			
40 CFR	Monitoring of Operations; Determine TVP-crude oil or refined	Y	
60.116b(e)(2)	petroleum products		
40 CFR	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40	Y	
60.116b(g)	CFR 60.116b(d) for tanks with closed vent system and control device		
BAAQMD	APPLICABLE TO S445		

Table IV – B<u>B.</u>11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S360 (TANK 223), S445 (TANK 271), S449 (TANK 285)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition 12130			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		
BAAQMD	APPLICABLE TO S449		
Condition 11219			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for sources S360 [Basis: 2-1-234.3]	Y	
Condition 20989,			
Part A			

Table IV - B<u>B.</u>12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR FIXED ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	

209 Revision dated:

Table IV -BB.12

Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

	5440 (TANK 510), 5447 (TANK 511)	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-112	Limited Exemption, Tanks in Operation	Y	Date
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; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y	
0 0 020.1.2	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title	National Emission Standards for Hazardous Air Pollutants for		
40 Part 63	Petroleum Refining (8/18/95)		
Subpart CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Exemption for emission points routed to fuel gas system	Y	

Table IV -BB.12

Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

	5440 (TANK 510), 5447 (TANK 511)	Federally	Future
A	Regulation Title on	Enforceable	Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
	Description of Requirement	(1/14)	Date
63.640(d)(5) 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)	1	
00.1120(u)(5)(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	_	
40 CFR	Standard for Volatile Organic Compounds (VOC); Requirements for	Y	
60.112b(b)	tanks \geq = 75 cu m and maximum TVP \geq = 76.6 kPa (11.1 psia)		
40 CFR	Standard for Volatile Organic Compounds (VOC); Closed vent system	Y	
60.112b(b)(1)	and control device option per 40 CFR60.112b(a)(3)		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)	flare)		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)	flare) operating plan submission		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(i)	flare) operating planefficiency demonstration		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(1)(ii)	flare) operating planmonitoring parameters		
40 CFR	Testing and Procedures; Closed vent system and control device (not	Y	
60.113b(c)(2)	flare) operate in accordance with operating plan		
40 CFR 60.115b	Reporting and Recordkeeping Requirements; 40 CFR 60.112b(a) tanks;	Y	
	Record retention		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)	control device (not flare)		
40 CFR	Reporting and Recordkeeping Requirements; Closed vent system and	Y	
60.115b(c)(1)	control device (not flare) operating plan copy – Retain for life of control		
40 CED	device	37	
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	37	
40 CFR	Monitoring of Operations; Record retention	Y	
60.116b(a)	Manitaring of Operations: Dermanant record requirement	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR	Monitoring of Operations; Determine TVP	Y	
60.116b(e)	Monitoring of Operations, Determine TVP	ı	
00.1100(6)		<u> </u>	<u> </u>

Facility Name: ConocoPhillips Company – San Francisco Refinery Permit for Facility #: A0016

IV. Source Specific Applicable Requirements

Table IV - B<u>B.</u>12 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA)

WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
40 CFR 60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
BAAQMD	APPLICABLE TO S446		
Condition 12131			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S447		
Condition 12132			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

212 Revision dated:

Table IV – B<u>B.</u>13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

	(1711 1000), 5200 (1711 1000), 5200 (1711 1000)	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)	(2/11)	2400
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,	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	
0.5.110.0	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
0.5.110.4	Minimize emissions	***	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
0.5.202	floating roof, or approved emission control system)	***	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S107	Y	
	(Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168),		
0.5.202.1	S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123	Y	
	(Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
	(Talik 100), 5120 (Talik 1/4), 5129 (Talik 100), 51/6 (Talik 208))		

Table IV – B<u>B.</u>13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

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

Future Federally Applicable **Regulation Title or** Effective Enforceable Requirement **Description of Requirement** Date (Y/N) 8-5-303.2 Requirements for Pressure Vacuum Valves; Installation, maintenance, operation (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288)) 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 8-5-304.3 Requirements for External Floating Roofs; Secondary seal requirements Requirements for External Floating Roofs; Floating roof requirements Y Tank Fitting Requirements; Floating roof tanks, Projection below Y liquid surface Tank Fitting Requirements; Floating roof tanks, Gasketed covers, Y

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

	(1ANK 1002), 5250 (1ANK 1005), 5255 (1AN		E 4
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
0.5.220.2	Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition		
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-404	Certification	Y	
8-5-405	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	Y	
0 3 301.2	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	
		Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to	Y	
	S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank		
NITIONAL DO MAIN AN	168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
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	
40 CFR	External floating roof Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)	External floating roof seals	Y	
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	

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1002), S250 (TANK 1002)

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

			Future
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
10 CI K 05.120(b)	-Compliance DemonstrationExternal floating roof	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	-External FR seal gap measurement	1	
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	1	
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 –	1	
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	1	
03.120(0)(1)(1)	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
		ĭ	
63.120(b)(2) 40 CFR	-External FR seal gap determination methods	Y	
	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	-External FR seal gap determination methods – roof not resting on		
40 CED	legs	37	
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		
40 GPP	of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	

Table IV – B<u>B.</u>13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

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

Future Federally Applicable **Regulation Title or** Effective Enforceable Requirement **Description of Requirement** (Y/N) Date 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 Y 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance-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 Y 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance--External FR primary seal additional requirements – metallic shoe 63.120(b)(5)(i) seal – shoe geometry Y Storage Vessel Provisions -- Procedures to Determine Compliance-40 CFR -External FR primary seal additional requirements – no holes, tears, 63.120(b)(5)(ii) 40 CFR Storage Vessel Provisions -- Procedures to Determine Compliance--External FR secondary seal requirements 63.120(b)(6) 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 -External FR unsafe to perform seal measurements or inspect the 63.120(b)(7) 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) Storage Vessel Provisions -- Procedures to Determine Compliance-Y 40 CFR -External FR unsafe to perform seal measurements or inspect the 63.120(b)(7)(ii) 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

Table IV – B<u>B.</u>13

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

S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241),

S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

1001	1), 5255 (TANK 1002), 5250 (TANK 1005), 5257 (TAN		Future
	D. L. d. Wild	Federally	
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
10 CTD	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	7.7	
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	40 CFR 63.646(e)]	Y	
	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(10)(ii)	- External FR and seal visual inspection each time emptied – 30		
40 CFR	day notification	Y	
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(10)(111)	- External FR and seal visual inspection each time emptied		
40 CFR 63.123(a)	Notification for unplanned Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
40 CFK 03.123(a)	storage vessel dimensions and capacity. Keep for life of source.	ĭ	
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
40 CFK 03.123(u)	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 CFR 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	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)			

Table IV – B<u>B.</u>13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1002), S250 (TANK 1002)

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

			Future
	D 1.4' (D'41	Federally	
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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 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)	status report requirementsReportingstorage vessels		
(1)			
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		

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Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 63.654(h)(2)(ii)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 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 (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 sources S97, S100, S107, S110, S111, S112, S114, S115, S122, S123, S124, S128, S177, S186, S254, S255, S256, S259 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S129, S150, S151, S178 [Basis: 2-1-234.3]	Y	

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Source-Specific Applicable Requirements
NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS
NSPS K - S334 (TANK 107),

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/N)	Date
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,	Y	
6-3-111.1	Notification	1	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
0.5 111.1.1	Notification, 3 day prior notification	-	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
	in compliance prior to notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Satisfy requirements of 8-5-328		
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	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	
0.5.110.2	start of work. Certified per 8-5-404	37	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	Y	
0.5.112.4	Minimize emissions	V	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y 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	
8-5-304.1	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
6-3-304.3	requirements	1	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	
0-J - J20.2	liquid surface	1	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0 5-520.5	seals, lids	1	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0.0.020.0.1	seals, lids - Gap requirements	1	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
2 2 2 2 3	requirements in floating roof tanks	•	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementsprojection below liquid surface	_	

Table IV -BB.14

Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	Date
6-3-320.4.2	requirementscover, seal, or lid	1	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0-3-320.4.3	requirementsgap between well and roof	1	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
0 3 321.2	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	
0 3 321.3.1	geometry of shoe	•	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	welded tanks		
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks	Y	
	with seals installed after 9/4/1985 or welded internal floating roof		
	tanks with seals installed after 2/1/1993		
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
	Emission Control System		
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	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, type of blanket gas, TVP -	Y	
	Retain 24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement	Y	
	Records - Retain 10 years		
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
NESHAPS Title 40			
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		

Table IV -BB.14

Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

	December on Title on	Federally	Future Effective
D	Regulation Title or	Enforceable	
	Description of Requirement	(Y/N)	Date
	TANKS	37	
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	37	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
40 CED	External floating roof	N/	
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	***	
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	37	
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		
40 CED	emptied and degassed	Y	
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
40 CFR	completely emptied before refilling Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(4)	External Floating Roof Operations, when not floating	ı	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
40 CFK 05.120(0)	Compliance DemonstrationExternal floating roof	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	External FR seal gap measurement	1	
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	1	
05.120(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 –	1	
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	1	
00.120(0)(1)(11)	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	1	

Table IV -BB.14

Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	legs		
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
40 CFR 63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR seal gap determination methods – determine total surface area of each gap	Y	
40 CFR 63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance- External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance- External FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance- External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-External FR unsafe to perform seal measurements or inspect the tank – 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	Y	

Table IV – B<u>B.</u>14

Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

			Future
		Federally	
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
	must be documented.		
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	1	
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 —	1	
03.120(0)(10)(111)	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
40 CFK 03.123(a)	storage vessel riovisions RecordkeepingGroup 1 and Group 2 storage vessel dimensions and capacity. Keep for life of source.	1	
40 CED (2.122(4)	<u> </u>	37	
40 CFR 63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
40 CED (2.122())	(date, raw data, and required calculations)	3.7	
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)		
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS ALSO SUBJECT TO NSPS K OR Ka		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(5)	Storage Vessels— Group 1 vessel also subject to NSPS K or Ka		
	only subject to 40 CFR 63 Subpart CC		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel Provisions References Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)	Storage . Cool I to thomas television to ripin 22,1771	•	
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
TO CITY	Diorage + Cool i invisionoreferences to December 31, 1992	1	L

Table IV -BB.14

Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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)	status report requirementsReportingstorage vessels		
(1)			
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	

Table IV – B<u>B.</u>14

Source-Specific Applicable Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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		
10 GED	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 CED (2 (54(:)(4)	seals for vessels in existing sources	37	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
NSPS Title 40	storage vesselsRecord retention – 5 years		
Part 60 Subpart K	NSPS Subpart K for Tanks (4/4/1980) APPLIES TO S334 (Tank 107)		
40 CFR 60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
40 CFR 60.110(a)	Applicability and Designation of Affected Facility.—>65,000 gal	Y	
60.110(c)(2)	after	ĭ	
00.110(0)(2)	6/11/1973 and before 5/19/1978.		
NSPS Title 40	NSPS Subpart Ka for Tanks (12/14/2000)		
Part 60 Subpart	APPLIES TO S341 (Tank 208), S342 (Tank 209), S343 (Tank		
Ka	210)		
40 CFR 60.110a(a)	Applicability and Designation of Affected Facility	Y	
BAAQMD	Throughput limits for source S334 [Basis: 2-1-234.3]	N	
Condition 20989,	11110 agripus 11111 as 101 30 at 0 555 1 [Daois. 2 1 25 1.5]	1,	
Part A			
BAAQMD	Throughput limits for sources S341, S342, S343 [Basis: 2-1-234.3]	Y	
Condition 20989,]	
Part A			

Table IV – B<u>B.</u>15 Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (Tank 204), S140 (Tank 205), S182 (Tank 294)

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 FIXED ROOF TANKS	(1/11)	Butt
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
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	

Table IV – B<u>B.</u>15 Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (Tank 204), S140 (Tank 205), S182 (Tank 294)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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 Part 60 Subpart K	NSPS Subpart K for Tanks (4/4/1980) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM		
	LIQUIDS (Applicable to S139 only)		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
BAAQMD	•		
Condition 13184	APPLICABLE TO S182		
	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
Part 1	Increase]		
BAAQMD	Throughput limits for sources S139, S140 [Basis: 2-1-234.3]	N	
Condition 20989,			
Part A			

	S133 (TANK 193)	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, 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, Notification, 3 day prior notification	Y	
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 in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
0-3-111.3	Floating roof tanks	1	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	Y	
	maintenance, operation		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	

	S133 (TANK 193)		Future
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Applicable Requirement	Regulation Title or Description of Requirement	Enforceable	Effective Date
Requirement	liquid surface	(Y/N)	Date
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals,	Y	
0-3-320.3	lids	1	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals,	Y	
0 3 320.3.1	lids - Gap requirements	1	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0 0 0 2 0	requirements in floating roof tanks	-	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementsprojection below liquid surface		
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementscover, seal, or lid		
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirementsgap between well and roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
	geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
	welded tanks		
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks	Y	
	with seals installed after 9/4/1985 or welded internal floating roof tanks		
0.5.222.6	with seals installed after 2/1/1993	37	
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 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	Y	
0-3-401.1	and Secondary Seal Inspections	1	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
J- 1 01.2	Fittings Inspections	1	
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 -	Y	

S133 (TANK 193)				
Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
0.5.501.2	Retain 24 months	Y		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y		
0 5 502		Y		
8-5-503 8-5-602	Portable Hydrocarbon Detector	Y		
	Analysis of Samples, True Vapor Pressure			
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	37		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and	Y		
	Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-			
0.0.202	8-302, 8-8-306, 8-8-308	37		
8-8-303	Standards; Gauging and Sampling Devices	Y Y		
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil	Y		
0.0.205.1	Vessels Constant of the City	37		
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil	Y		
0.0.502	Vessels – fixed cover requirements	37		
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	REQUIREMENTS FOR EXTERNAL FLOATING ROOF			
G (2.110(-)	TANKS	37		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y Y		
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y		
63.119(a)(1) 40 CFR 63.119(c)	1, TVP < 76.6 kPa Storage Vessel Provisions Reference Control Technology	Y		
40 CFK 03.119(C)	External floating roof	Ĭ		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y		
63.119(c)(1)	External floating roof seals	1		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y		
63.119(c)(1)(i)	External floating roof double seals required	1		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y		
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or	•		
05.115(0)(1)(11)	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			

	S133 (TANK 193)	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when		
40 CEP	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	
40 CEP	Compliance DemonstrationExternal floating roof	37	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	External FR seal gap measurement	3.7	
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		
40 CED	year intervals	Y	
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	I	
03.120(0)(1)(1)	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)	External FR seal gap determination methods	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	External FR seal gap determination methods – roof not resting on	•	
03.120(0)(2)(1)	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
() () ()	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		

	S133 (TANK 193)	Fodovally	Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	Date
63.120(b)(6)	External FR secondary seal requirements	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(i)	External FR secondary seal requirements – location and extent	1	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(6)(ii)	External FR secondary seal requirements - no holes, tears or	1	
03.120(0)(0)(11)	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		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
40 CFR	40 CFR 63.646(e)]	Y	
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – 30 day	Y	
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 —	1	
03.120(0)(10)(111)	Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
10 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	
10 C11(05.125(u)	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	
	emptying storage vessel – keep documentation specified	-	1

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)	(2/11)	2400
Part 63,- Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	PP to the system of grant to the age to the system of the		
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	37	
40 CFR 63.646(l)	Storage Vessel ProvisionsState or local permitting agency	Y	
40 CED (2 (54(6)	notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 CFR	status report requirements Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 CFR 63.654(f)(1)	status report requirements	I	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1)	status report requirementsReportingstorage vessels	1	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
	Periodic Reporting and Recordkeeping Requirements—storage	Y	
40 CFR			

	5133 (TANK 173)		TC 4
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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 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 S133 [Basis: 2-1-234.3]	Y	_
Condition 20989,			
Part A			

	S340 (TANK 108)	E. 1	Future
Applicable	Regulation Title or	Federally	Effective
Requirement	Description of Requirement	Enforceable (Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/14)	Date
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 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	Y	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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	
0.5.220.2.1	seals, lids –	37	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
0.5.220.4	seals, lids – Gap requirements	37	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-5-320.4.1	requirements in floating roof tanks Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0-3-320.4.1	gauging wells; Projection below the liquid surface	1	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0-3-320.4.2	gauging wells; Cover, seal, or lid	1	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0-3-320.4.3	gauging wells; Gap between the well and the roof	1	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, 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	
0.5.220.2	Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition		
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks;	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Primary and Secondary Seal Inspections		
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 Technology	Y	
63.119(a)(1)	Group 1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology- External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine ComplianceCompliance DemonstrationExternal floating roof	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(1)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal 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 ComplianceExternal FR with double seals - secondary seal gap measurement – annual requirement	Y	
40 CFR 63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine ComplianceExternal 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 ComplianceExternal FR seal gap determination methods	Y	
40 CFR 63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR seal gap determination methods – roof not resting on legs	Y	
40 CFR 63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine ComplianceExternal 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 ComplianceExternal 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 ComplianceExternal FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
40 CFR 63.120(b)(4)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR secondary seal gap calculation method - total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
40 CFR 63.120(b)(5)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR primary seal additional requirements	Y	
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR secondary seal requirements – location and extent	Y	
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	

	S340 (1ANK 108)		_
Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
Kequirement	Description of Requirement	(Y/N)	Date
63.120(b)(6)(ii)	ComplianceExternal FR secondary seal requirements - no holes,		
	tears or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)(i)	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank – complete measurements or inspection within 30		
	days after determining roof is unsafe or comply with 40 CFR		
	63.120(b)(7)(ii)		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(7)(ii)	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank – empty and remove vessel from service within		
	45 days after determining roof is unsafe or comply with 40 CFR		
	63.120(b)(7)(i). Two 30 day extensions are allowed to empty the		
	tank. Decision to use extension must be documented.		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(8)	Compliance External FR Repairs must be made within 45 days		
	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	
63.120(b)(9)	Compliance External FR seal gap measurement 30 day		
	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		
	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		
	emptied – 30 day notification		
40 CFR	Storage Vessel Provisions Procedures to Determine	Y	
63.120(b)(10)(iii)	Compliance External FR and seal visual inspection each time		
	emptiedNotification 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		

	S340 (TANK 108)		T. 4
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/12/1996)	(2/11)	2400
Part 63 Subpart	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
CC	TANKS ALSO SUBJECT TO NSPS K or Ka		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Applicability and Designation of Affected Source Overlap for	Y	
63.640(n)(5)	Storage Vessels— Group 1 vessel also subject to NSPS K or Ka		
	only subject to 40 CFR 63 Subpart CC		
40 CFR 63.646(a)	Storage Vessel ProvisionsGroup 1	Y	
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel ProvisionsDetermine stored liquid % OHAP-	Y	
63.646(b)(2)	method 18 to resolve disputes		
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
	storage vessels [EFRs exempt from 63.119(c)(2)]		
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel ProvisionsReferences to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F		
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 40 CFR 63.120 of Subpart G – Not		
	required to comply with provisions for gaskets, slotted		
	membranes, and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements	Y	
63.646(f)(1)	Covers or lids closed except when in use		
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof 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	Y	
	compliance status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)	compliance status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)	compliance status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)(A)	compliance status report requirementsReportingstorage vessels		
40 CFR	Reporting and Recordkeeping RequirementsNotice of	Y	
63.654(f)(1)(i)(A)(1	compliance status report requirementsReportingstorage vessels		

	S340 (TANK 108)		F-4
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
)			
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of		
	existing source]		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)	vessels with external floating roofs		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(i)	vessels with external floating roofs-document results of each seal		
,	gap measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)	Storage vessel notification of inspections.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(i)	Storage vessel notification of inspections – refilling Group 1		
	storage vessel.		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(2)(ii)	Storage vessel notification of inspections –Group 1 storage vessel		
	seal gap measurements – 30 day notification [can be waived or		
	modified by state or local].		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
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		
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 S340 [Basis: 2-1-234.3]	Y	
Condition 20989,	[Sabis: 2 1 25]		
Part A			

Table IV – B<u>B.</u>18

Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

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

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Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Projection below surface except p/v valves and vacuum breaker vents	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Projection below the liquid surface	Y	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Cover, seal, or lid	Y	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells; Gap between the well and the roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirementswelded 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	

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Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Auntichle		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	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 Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves (applicable to S113 (Tank 158), S125 (Tank 170))	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination (applicable to S113	Y	
	(Tank 158), S125 (Tank 170))		
NESHAPS Title 40	SOCMI HON G (01/27/1995)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
63.119(a)(1)	1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology 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		

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Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance- Compliance DemonstrationExternal floating roof	Y	
40 CFR 63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance- External FR seal gap measurement	Y	
40 CFR 63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
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	

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Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
40 CFR 63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR primary seal additional requirements – no holes, tears, or openings	Y	
40 CFR 63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal requirements	Y	
40 CFR 63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal requirements – location and extent	Y	
40 CFR 63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR secondary seal requirements - no holes, tears or openings	Y	
40 CFR 63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance- External FR unsafe to perform seal measurements or inspect the tank	Y	
40 CFR 63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR unsafe to perform seal measurements or inspect the tank - complete measurements or inspection within 30 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii)	Y	
40 CFR 63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
40 CFR 63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
40 CFR 63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance- External FR and seals visual inspection each time emptied	Y	
40 CFR 63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – Repair defects before refilling [does not apply to gaskets, slotted membranes, or sleeve seals for Group 1 Refinery MACT tanks per 40 CFR 63.646(e)]	Y	
40 CFR 63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – 30 day notification	Y	
40 CFR 63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied	Y	

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Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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)	G. W. ID D.C 1. 1 40	37	
40 CFR	Storage Vessel ProvisionsReferences to compliance dates in 40	Y	
63.646(d)(4)	CFR 63.100 of Subpart F	Y	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 40 CFR 63.120 of Subpart G – Not	Y	
	required to comply with provisions for gaskets, slotted membranes,		
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel ProvisionsGroup 1 floating roof requirements	Y	
40 CFR	Storage Vessel Provisions—Group 1 floating roof requirements—	Y	
63.646(f)(1)	Covers or lids closed except when in use	1	
40 CFR	Storage Vessel ProvisionsGroup 1 floating roof requirementsRim	Y	
63.646(f)(2)	space vents requirements		
40 CFR	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements		

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Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.654(f)(1)(i)	Reporting and Recordkeeping RequirementsNotice of compliance status report requirementsReportingstorage vessels	Y	
40 CFR 63.654(f)(1)(i)(A)	Reporting and Recordkeeping RequirementsNotice of compliance status report requirementsReportingstorage vessels	Y	
40 CFR 63.654(f)(1)(i)(A) (1)	Reporting and Recordkeeping RequirementsNotice of compliance status report requirementsReportingstorage vessels	Y	
40 CFR 63.654(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR 63.654(g)(1)	Periodic Reporting and Recordkeeping Requirementsstorage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
40 CFR 63.654(g)(3)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs	Y	
40 CFR 63.654(g)(3)(i)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs-document results of each seal gap measurement	Y	
40 CFR 63.654(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs – extension documentation	Y	
40 CFR 63.654(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirementsstorage vessels with external floating roofs – documentation of failures	Y	
40 CFR 63.654(h)(2)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 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 (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,	Throughput limits for sources S113, S125, S261 [Basis: 2-1-234.3]	N	

Table IV – B<u>B.</u>18

Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A			
BAAQMD Condition 20989, Part A	Throughput limits for sources S183, S184 [Basis: 2-1-234.3]	Y	

Table IV – B<u>B.</u>19 Source-Specific Applicable Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695A)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and	Y	

Table IV – B<u>B.</u>19 Source-Specific Applicable Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695A)

	S216 (1ANK 695A)		Future
Applicable	December of the Trial and	Federally	
Requirement	Regulation Title or	Enforceable	Effective
-	Description of Requirement	(Y/N)	Date
0.5.112.2	certification before commencement of work	37	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
0.5.110.4	minimization of emissions	37	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed	Y	
0.5.201	7 days	37	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
0.5.204	floating roof, or approved emission control system)	37	
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		
0.5.000.0	breaker vents		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
0.5.220.2.1	seals, lids –	7.7	
8-5-320.3.1	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
0.5.220.4	seals, lids – Gap requirements	37	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0.5.220.4.1	requirements in floating roof tanks	37	
8-5-320.4.1	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0.5.220.4.2	gauging wells; Projection below the liquid surface	N/	
8-5-320.4.2	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0.5.220.4.2	gauging wells; Cover, seal, or lid	W	
8-5-320.4.3	Tank fitting requirements; Floating roof tanks; Solid sampling or	Y	
0.5.220.6	gauging wells; Gap between the well and the roof	W	
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	
0.5.221.2	mounted except as provided in 8-5-305.1.3	7.7	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements	Y	
0.5.221.2.2	Geometry of shoe	77	
8-5-321.3.3	Primary seal requirements; Metallic shoe type seal requirements:	Y	
0.5.222	Gaps for riveted tanks	77	
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	

	S216 (TANK 695A)		Future
Applicable	Decolotion Title on	Federally	Effective
Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Date
8-5-322.4	Secondary seal requirements; Riveted tanks	Y	Date
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328		Y	
8-5-328.1	Tank degassing requirements 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	SOCMI HON G (01/27/1995)	-	
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Ture of Suspers 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		
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 roof Must float on liquid except during initial fill		
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	

		Fodovelly	Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.119(c)(3)(ii)	External floating roof Must float on liquid except after completely	(1/14)	Date
03.117(0)(3)(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	1	
05.115(4)(5)(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	
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		
40 CEP	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		
40 CFR	surface area of each gap Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area	I	
03.120(0)(3)	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	1	
	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	

	, , ,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.120(b)(5)(ii)	External FR primary seal additional requirements – no holes, tears,	(2/11)	Dute
03.120(0)(3)(11)	or openings		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(6)	External FR secondary seal requirements	1	
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		
	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		

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	(date, raw data, and required calculations)	(1/14)	Date
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
40 CI 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	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	37	
40 CFR 63.646(1)	Storage Vessel ProvisionsState or local permitting agency	Y	
40 CED (2 (54(6)	notification requirements	V	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
40 CFR	status report requirements Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements	I	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	1	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)(1	status report requirementsReportingstorage vessels	1	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
)			
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	1	
40 CFR	Periodic Reporting and Recordkeeping Requirementsstorage	Y	
63.654(g)(3)(iii)	vessels with external floating roofs – documentation of failures	1	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)	vessel notification of inspections.	1	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.	I	
40 CFR	Reporting and Recordkeeping RequirementsOther reportsStorage	Y	
63.654(h)(2)(ii)	vessel notification of inspections –Group 1 storage vessel seal gap	1	
03.034(11)(2)(11)	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	1	
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)(ii)	Determination of Applicability	1	
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 storage vesselsRecord retention – 5 years	Y	
BAAQMD	Throughput limits for source S216 [Basis: 2-1-234.3]	N	
Condition 20989,	1	1,	
Part A			

	5154 (TAIK 174)	F. J 11-	Future
Applicable	Deculation Title on	Federally	Effective
Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)	(1/14)	Date
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;	Y	
0.5 111.1	Notice to the APCO	1	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Floating roof tanks - continuous and quick filling, emptying and		
	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
	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	Y	
	certification before commencement of work		
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	
8-5-303.1	Requirements for Pressure Vacuum Valves; Installation,	Y	
0-J - JUJ.2	maintenance, operation	1	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.1	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Secondary seal	Y	

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	2400
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
0 0 101.1	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	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	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
BAAQMD ·	Organic Compounds, Wastewater (Oil-Water Separators)	-	
Regulation 8,	(6/15/1994)		
Rule 8	REQUIREMENTS FOR SLOP OIL VESSELS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and	Y	
	Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-		
	8-302, 8-8-306, 8-8-308		
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	Y	
NESHAPS Title 40	SOCMI HON G (01/27/1995)	1	
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Tart 05 Subpart G	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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.119(c)(1)(i)	External floating roof double seals required	(1/14)	Date
40 CFR	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(1)(ii)	External floating roof primary seal requirements – metallic shoe or	ĭ	
03.119(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	•	
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		
40 CED	legs	N/	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(ii)	External FR seal gap determination methods – measure gaps around		
40 CED	entire circumference of seal and measure width and length of gaps	V	
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(iii)	External FR seal gap determination methods – determine total		
40 CFR	surface area of each gap Storage Vessel Provisions Procedures to Determine Compliance	Y	
63.120(b)(3)	External FR primary seal gap calculation method – total surface area	Y	
03.120(0)(3)	External FK primary seal gap calculation method – total surface area	I	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	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		
40 CFR	determining roof is unsafe or comply with 40 CFR 63.120(b)(7)(ii) Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(7)(ii)	External FR unsafe to perform seal measurements or inspect the tank	ĭ	
03.120(0)(7)(11)	- 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	1	
05.120(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		

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	defects before refilling [does not apply to gaskets, slotted	(=1-1)	
	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	37	
40 CFR 63.646(c)	Storage Vessel Provisions—40 CFR 63 Subpart G exclusions for	Y	
40 CED (2 (4((1)	storage vessels [EFRs exempt from 63.119(c)(2)]	37	
40 CFR 63.646(d)	Storage Vessel ProvisionsReferences	Y Y	
40 CFR	Storage Vessel ProvisionsReferences to April 22,1994	Y	
63.646(d)(2) 40 CFR	Ctone Vocal Decisions Decomposite Decomber 21, 1002	37	
	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	ĭ	
40 CFR 63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
40 CFK 03.040(C)	inspection requirements of 40 CFR 63.120 of Subpart G – Not	I	
	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 05.040(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	

Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
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 notification requirements	Y	
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance status report requirements	Y	
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 63.654(h)(2)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections.	Y	
40 CFR 63.654(h)(2)(i)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
40 CFR 63.654(h)(2)(ii)	Reporting and Recordkeeping RequirementsOther reportsStorage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 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 (Subpart G)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 storage vesselsRecord retention – 5 years	Y	
BAAQMD	Throughput limits for source S134 [Basis: 2-1-234.3]	N	
Condition 20989, Part A			

Table IV – B<u>B.</u>21

Source-Specific Applicable Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (Tank 73), S94 (Tank 78), S98 (Tank 101), S99 (Tank 102), S103 (Tank 106), S120 (Tank 165), S130 (Tank 188), S131 (Tank 189), S132 (Tank 191), S136 (Tank 201), S137 (Tank 202), S138 (Tank 203), S141 (Tank 213), S142 (Tank 214), S143 (Tank 215), S144 (Tank 216), S145 (Tank 217), S148 (Tank 231), S149 (Tank 232), S157 (Tank 252), S162 (Tank 262), S164 (Tank 264), S165 (Tank 265), S166 (Tank 266), S167 (Tank 268), S168 (Tank 269), S169 (Tank 270), S171 (Tank 273), S172 (Tank 279), S173 (Tank 280), S174 (Tank 281), S179 (Tank 291), S180 (Tank 292), S187 (Tank 299), S191 (Tank 303), S192 (Tank 304), S202 (Tank 521), S204 (Tank 528), S205 (Tank 529), S206 (Tank 530), S207 (Tank 531), S209 (Tank 674), S224 (Tank 746), S225 (Tank 747), S226 (Tank 748), S227 (Tank 749), S228 (Tank 750), S229 (Tank 751), S230 (Tank 752), S231 (Tank 753), S236 (Tank 770), S237 (Tank 771), S240 (Tank 774), S241 (Tank 775), S260 (Tank 1009), S262 (Tank 1011), S263 (Tank 1012), S266 (Tank 1345), S267 (Tank 1346), S286 (F3), S287 (F10), S293 (F805)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	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	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	

Table IV – B<u>B.</u>21

Source-Specific Applicable Requirements

EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (TANK 73), S94 (TANK 78), S98 (TANK 101), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S137 (TANK 202), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S240 (TANK 774), S241 (TANK 775), S260 (TANK 1009), S262 (TANK 1011), S263 (TANK 1012), S266 (TANK 1345), S267 (TANK 1346), S286 (F3), S287 (F10), S293 (F805)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.119(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	Y	
63.646(b)(2)	18 to resolve disputes		
40 CFR	Reporting and Recordkeeping RequirementsOther reports	Y	
63.654(h)(6)	Determination of Applicability		
40 CFR 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	Reporting and Recordkeeping RequirementsRecordkeeping for	Y	
63.654(i)(1)	storage vessels – Data and assumptions used to determine Group 2		
(iv)	classification		
40 CFR	Reporting and Recordkeeping RequirementsRecordkeepingRecord	Y	
63.654(i)(4)	retention – 5 years		
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	

Table IV – B<u>B.</u>21

Source-Specific Applicable Requirements

EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (Tank 73), S94 (Tank 78), S98 (Tank 101), S99 (Tank 102), S103 (Tank 106), S120 (Tank 165), S130 (Tank 188), S131 (Tank 189), S132 (Tank 191), S136 (Tank 201), S137 (Tank 202), S138 (Tank 203), S141 (Tank 213), S142 (Tank 214), S143 (Tank 215), S144 (Tank 216), S145 (Tank 217), S148 (Tank 231), S149 (Tank 232), S157 (Tank 252), S162 (Tank 262), S164 (Tank 264), S165 (Tank 265), S166 (Tank 266), S167 (Tank 268), S168 (Tank 269), S169 (Tank 270), S171 (Tank 273), S172 (Tank 279), S173 (Tank 280), S174 (Tank 281), S179 (Tank 291), S180 (Tank 292), S187 (Tank 299), S191 (Tank 303), S192 (Tank 304), S202 (Tank 521), S204 (Tank 528), S205 (Tank 529), S206 (Tank 530), S207 (Tank 531), S209 (Tank 674), S224 (Tank 746), S225 (Tank 747), S226 (Tank 748), S227 (Tank 749), S228 (Tank 750), S229 (Tank 751), S230 (Tank 752), S231 (Tank 753), S236 (Tank 770), S237 (Tank 771), S240 (Tank 774), S241 (Tank 775), S260 (Tank 1009), S262 (Tank 1011), S263 (Tank 1012), S266 (Tank 1345), S267 (Tank 1346), S286 (F3), S287 (F10), S293 (F805)

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	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 pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40 Part 63 Subpart G	SOCMI HON G (01/27/1995) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR 63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
NESHAPS Title 40 Part 63 Subpart	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)		
CC 40 CFR	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	Applicability and Designation of Storage Vessels	ĭ	
40 CFR 63.646(b)(1)	Storage Vessel ProvisionsDetermine stored liquid % OHAP for group determination	Y	
40 CFR 63.646(b)(2)	Storage Vessel ProvisionsDetermine stored liquid % OHAP-method 18 to resolve disputes	Y	
40 CFR 63.654(h)(6)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(h)(6)(ii)	Reporting and Recordkeeping RequirementsOther reports Determination of Applicability	Y	
40 CFR 63.654(i)(1)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
40 CFR 63.654(i)(1)(iv)	Reporting and Recordkeeping RequirementsRecordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
40 CFR 63.654(i)(4)	Reporting and Recordkeeping RequirementsRecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

2. Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting

requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II tanks. Table B23B shows the appropriate applicability for these tanks as MACT Group I tanks including the BAAQMD Regulation 8 Rule 5 requirements for zero-gap secondary seals.

Table IV – B<u>B.</u>23B Source-Specific Applicable Requirements

EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

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

Table IV – B<u>B.</u>23B

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

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
	requirements		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	
	liquid surface		
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0 5 520.5.1	seals, lids - Gap requirements	•	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0 3 320.1	requirements in floating roof tanks	1	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0 3 320.1.1	requirementsprojection below liquid surface	1	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	requirementscover, seal, or lid		
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0 3 320.1.3	requirementsgap between well and roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	geometry of shoe		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y	
	welded tanks		
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks	Y	
	with seals installed after 9/4/1985 or welded internal floating roof		
	tanks with seals installed after 2/1/1993		
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
	Emission Control System		
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
	and Secondary Seal Inspections		

Table IV -BB.23B

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

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
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 EXTERNAL FLOATING ROOF TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
40 CFR 63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
40 CFR 63.119(c)	Storage Vessel Provisions Reference Control Technology- External floating roof	Y	
40 CFR 63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
40 CFR 63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
40 CFR 63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
40 CFR 63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology- External floating roof seal requirements	Y	
40 CFR 63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
40 CFR 63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	
40 CFR 63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
40 CFR 63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
40 CFR 63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	

Table IV -BB.23B

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

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

	5100 (TANK 133), 5107 (TANK 134), 5127 (TANK 17		Future
		Federally	
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	-Compliance DemonstrationExternal floating roof		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)	-External FR seal gap measurement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(i)	-External FR with double seals - primary seal gap measurement – 5		
	year intervals		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iii)	-External FR with double seals - secondary seal gap measurement –		
	annual requirement		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(1)(iv)	-External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)	-External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(i)	-External FR seal gap determination methods – roof not resting on		
	legs		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(ii)	-External FR seal gap determination methods – measure gaps		
. , , , , ,	around entire circumference of seal and measure width and length		
	of gaps		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(2)(iii)	-External FR seal gap determination methods – determine total		
	surface area of each gap		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
63.120(b)(3)	-External FR primary seal gap calculation method – total surface		
	area of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
40 CFR	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
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		

Table IV -BB.23B

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

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

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

Table IV -BB.23B

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

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
(2)	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 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	
10 CPD (2 (51/2	notification requirements		
40 CFR 63.654(f)	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
10 GPP	status report requirements		
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)	status report requirements	37	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)	status report requirementsReportingstorage vessels	37	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	
63.654(f)(1)(i)(A)	status report requirementsReportingstorage vessels	37	
40 CFR	Reporting and Recordkeeping RequirementsNotice of compliance	Y	

Table IV – B<u>B.</u>23B

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

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

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

2. Sources S108, S109, and S127 currently contain low vapor pressure liquids, are exempt from BAAQMD permitting requirements, and fall under the MACT Group II requirements for recordkeeping. However, these tanks may be operated as MACT Group I tanks in the future. Table B23A shows the appropriate applicability for these tanks as MACT Group II

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IV. Source Specific Applicable Requirements

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 – B<u>B.</u>24 Source-Specific Applicable Requirements NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S90 (TANK 67), S105 (TANK 129)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT	(2/2)	2400
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		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	A 1: 1:1: 1D : (: CACC + 1C - O - 1 - C - C -	37	
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	NSPS Subpart K for Tanks (4/4/1980)		
Part 60 Subpart K			
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	

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

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

Table IV – B<u>B.</u>25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) REQUIREMENTS FOR PRESSURE TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	Y	

Table IV – B<u>B.</u>25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

Applicable Requirement	Regulation Title or	Federally Enforceable	Future Effective
	Description of Requirement	(Y/N)	Date
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; blanket gas; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	EXEMPTION FOR PRESSURE TANKS		
Kb	(applies to S188 only)	7.	
40 CFR 60.110b(d)(2)	Exemption for pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.	Y	
00.1100(a)(2)	Kra and without emissions to the atmosphere.		

Table IV – B<u>B.</u>26 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF TANKS VENTED TO FUEL GAS S135 (TANK 200)

			E 4
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		
CC	REQUIREMENTS FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)			
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)			
NSPS Title 40	NSPS Subpart Kb for Tanks (12/14/2000)		
Part 60 Subpart	REQUIREMENTS FOR RECORDKEEPING ONLY		
Kb			
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for 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(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 pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

Table IV – B<u>B.</u>27 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
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	NSPS Subpart QQQ VOC Emissions from Petroleum Refinery		
60 Subpart QQQ	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	
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	Y	
40 CFR 60.692-6(b)	Standards: Delay of Repair	Y	
40 CFR 60.697	Recordkeeping Requirements	Y	

Table IV – B<u>B.</u>27 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

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

Table IV – B<u>B.</u>28 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD · Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (11/27/02) EXEMPT		
8-5-117	Evamentian Law Vanor Programs	Y	
	Exemption, Low Vapor Pressure National Emission Standards for Hazardous Pollutants for	ĭ	
40 CFR 63 Subpart 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	
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	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	

Table IV – B<u>B.</u>28 Source-Specific Applicable Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK TANK 237

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 60 Subpart Kb	NSPS Subpart Kb for Tanks (12/14/2000) REQUIREMENTS FOR RECORDKEEPING ONLY		
40 CFR 60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
40 CFR 60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for storage vessels > or = to 75 cu m	Y	
40 CFR 60.116b(a)	Monitoring of Operations; Record retention	Y	
40 CFR 60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
40 CFR 60.116b(d)	Monitoring of Operations; 30-day notification for TVP exceedances	Y	
40 CFR 60.116b(e)	Monitoring of Operations; Determine TVP	Y	
40 CFR 60.116b(e)(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	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD ·	Organic Compounds, Storage of Organic Liquids (11/27/02)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for		
Part 63 Subpart	Petroleum Refining (8/18/95)		

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

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

Table IV – B<u>B.</u>30 Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

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

Table IV – B<u>B.</u>30 Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	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	Y	
03.040(0)(3)	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 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 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	

<u>Table IV – CC</u> <u>Source-Specific Applicable Requirements</u> S452-S455, S457, S458, S500, COOLING TOWERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
<u>6-301</u>	Ringelmann #1 Limitation	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	Particulate Weight Limitation	<u>Y</u>	
<u>6-311</u>	General Operations	<u>Y</u>	
<u>6-401</u>	Appearance of Emissions	<u>Y</u>	
BAAQMD			
Condition 22121			
<u>Part 1</u>	<u>Visual inspection (2-6-503)</u>	<u>Y</u>	
Part 2	Chlorine content monitoring (2-6-503)	<u>Y</u>	
Part 3	Records of sodium hypochlorite usage (2-6-501)	<u>Y</u>	
Part 4	Monitoring of dissolved solids (2-6-503, Regulation 3)	<u>Y</u>	
Part 5	Reports of hydrocarbon leaks (1-441)	<u>Y</u>	

<u>Table IV – CC</u> <u>Source-Specific Applicable Requirements</u> <u>S452-S455, S457, S458, S500, COOLING TOWERS</u>

Part 6	Hydrocarbon leaks longer than 4 weeks (1-441, 2-1-424, 2-6-416.2,	<u>Y</u>	
	<u>2-6-501, 2-6-503)</u>		
Part 7	Annual reporting of particulate emissions (2-1-319.1, 3)	<u>Y</u>	
Part 8	Records (2-6-501)	Y	

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<u>Table IV – CC</u> <u>Source-Specific Applicable Requirements</u> <u>S456, COOLING TOWER</u>

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

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 S425 and S426. 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.]

CONDITIONS FOR S350

- 1a. The owner/operator of S350 (Crude Unit 267) shall not process crude oil at S350 with a sulfur content in excess of 1.5 wt %. [Cumulative Increase]
- 1b. The owner/operator shall sample and analyze the crude feed to S350 to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S350 feed tanks. [Cumulative Increase]
- 2. The owner/operator of S350 shall not exceed an S350 feed rate of 30,000 bbl per day on a 12 month rolling average basis. The S350 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 S350 shall maintain monthly records of "calendar day" throughput and "12 month rolling average" throughput at S350 in a District-approved log. The owner/operator shall also maintain records of all sulfur content analyses required by Part 1b. These records shall be kept for at least five years and shall be made available to the District upon request.

[Cumulative Increase]

CONDITION 1440

CONDITIONS FOR S324, S381, S382, S383, S384, S385, S386, S387, S390, S392, S400, S401 S1007, S1008, S1009

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

 [Cumulative Increase]
- 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 S324 API Separator, forebay, outlet basin, and channel to the S1007 DAF Unit.
 - b. Doors, hatches, covers, and other openings on the S1007 DAF Unit and the S400 Wet and S401 Dry Weather Sumps, except for the vent opening on these units.
 - c. Any open process vessel, distribution box, tank, or other equipment downstream of the S1007 DAF Unit (S381, S382, S383, S384, S385, S386, S387, S390, S392).

[Cumulative Increase]

- 5. Compliance with the VOC emission criteria of Part 4 shall be determined 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 S324 API Separator and S1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for

each unit. Any modifications to equipment at this facility which increase the annual average waste water throughput at S324 and S1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]

CONDITION 1694

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

- A. Heater Firing Rate Limits and General Requirements
- 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
Source	ID	Limit	Rate
Number Number	<u>Number</u>	(MM BTU/day)	(MM BTU/hr)
S2	U229/B301	528	22
S3	U230/B201	1,488	62
S4	U231/B101	2,304	96
S5	U231/B102	2,496	104
S7	U231/B103	1,536	64
S8	U240/B1	6,144	256
S9	U240/B2	1,464	61
S10	U240/B101	5,352	223
S11	U240/B201	2,592	108
S12	U240/B202	1,008	42
S13	U240/B301	4,656	194
S14	U240/B401	13,344	556
S15 thru S19	U244/B501 thru B50	05 5,754	239.75
S20	U244/B506	552	23
S21	U244/B507	194.4	8.1
S22	U248/B606	744	31
S29	U200/B5	2,472	103
S30	U200/B101	1,200	50
S31	U200/B501	480	20
S43	U200/B202	5,520	230
S44	U200/B201	1,104	46
S336	U231/B104	2,664	111
S337	U231/B105	816	34
S351	U267	2,424	101
S371/372	U228/B520 and B52	21 1,392	58
S438	U110	5,040	210

[Regulation 2-1-234.3]

2a. All sources shall use only refinery fuel gas and natural gas as fuel, EXCEPT for S438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S3 and S7 which may also use naphtha fuel.

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

- 2b. Sources S3 and S7 are permitted to use naphtha fuel. These sources shall be monitored for visible emissions during tube cleaning. If any visible emissions are detected when the operation commences, corrective action shall be taken within one day, and monitoring shall be performed after the corrective action is taken. If no visible emissions are detected, monitoring shall be performed on an hourly basis. [Regulation 2-6-409.2]
- 2c. Sources S3 and S7 are permitted to use naphtha fuel. These sources shall be monitored for visible emissions before each 1 million gallons of liquid fuel is combusted at each source. If an inspection documents visible emissions, a Method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the specific unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2].
- 3a. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration.

 [SO2 Bubble]
- 3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month.

 Any omitted sample results shall be explained in this report. [SO2 Bubble]
- 4. Emissions of SO2 shall not exceed 1,611 lb/day on a monthly average basis from 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
 - 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.

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[SO2 Bubble]

[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. S351 PREHEATER

- 1. The S351 heater shall be abated by the A-6 SCR unit at all times, except that S351 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S351 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S351 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]
- 2. The concentration of NOx from S351 shall not exceed 20 ppmv @ 3% oxygen, dry, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]
- 3. The following instruments shall be installed and maintained to demonstrate compliance with Part 2:
 - a. continuous NOx analyzer/recorder
 - b. continuous O2 or CO analyzer/recorder

[BACT, Cumulative Increase]

C. S371 AND S372 FURNACES

- 1. The S371 furnace shall be abated by the A-16 SCR unit at all times, and the S372 furnace shall be abated by the A-17 SCR unit at all times, except that S371 and S372 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the NOx emission rates from these heaters whenever they operate without abatement. All emission limits applicable to S371 and S372 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
- 2. The concentration of NOx from S371 and S372 shall not exceed 20 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]

3. The concentration of CO emissions from S371 and S372 shall not exceed 50 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period, which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- D. S43 Coking Furnace (Unit 200 B-202) and S44 (Unit 200 B-201 PCT Reboil Furnace)
 - 1. Nitrogen oxide emissions from the S43 Coking Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A-4 at all times, except that S43 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S43 NOx emission rate whenever S43 operates without abatement. All emission limits applicable to S43 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]
 - 2. The nitrogen oxides in the flue gases for S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 40 ppmdv corrected to 3% oxygen, dry, over any consecutive 8 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- 3. The carbon monoxide in the flue gas for S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 50 ppmdv corrected to 3% oxygen averaged over any calendar month. This condition shall not apply during start-up and shutdown.

 [BACT, Cumulative Increase]
- 4. Instruments shall be installed and operated to continuously monitor the percentage of oxygen and the concentration of nitrogen oxides from the following sources: S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace.

[BACT, Cumulative Increase]

E. S438 FURNACE

1. The S438 furnace shall be abated by the A-46 SCR unit at all times, except that S438 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S438 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S438 shall remain in effect whether or not it is operated with SCR abatement.

VI. Permit Conditions

[BACT, Cumulative Increase]

- 2. Total fuel fired in S438 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 S438 shall not exceed 1.0 ppm (by weight) total reduced sulfur (TRS). TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [BACT, Cumulative Increase]
- 4. The following emission concentration limits from S438 shall not be exceeded. These limits shall not apply during startup periods not exceeding 24 hours (72 hours when drying refractory or during the first startup following catalyst replacement) and shutdown periods not exceeding 24 hours. The District may approve other startup and shutdown durations.

NOx: 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 S438 and of the TRS and hydrogen sulfide concentration in the blended fuel gas, and monthly records of average blended fuel gas TRS concentration, shall be maintained for at least five years and shall be made available to the District upon request. [Recordkeeping]
- F. S2, S3, S4, S5, S7, S8, S9, S10, S11, S12, S13, S14 Heaters
- 1. Total fuel firing at Unit 240 (S8, S9, S10, S11, S12, S13, S14) shall not exceed 993.7 MM BTU/hr averaged over any consecutive 12 month period. [Cumulative Increase]
- 2. Total fuel fired at the MP-30 Complex, including Unit 229 (S2), Unit 230 (S3) and Unit 231 (S4, S5, S7) shall not exceed 346.5 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]

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

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

- 1. Heaters S8 (Unit 240, B-1), S14 (Unit 240, B-401) and S44 (Unit 200, B-201) shall be considered to be in normal operation whenever they have detectable fuel flow, and shall be considered to be out of service for the purpose of Regulation 9-10-301 whenever they have undetectable fuel flow.
- 2. For heaters S43 (Unit 200, B-202), S351 (Unit 267, B-601/602) and S371/372 (Unit 228, B-520/521), the durations of startups, shutdowns and refractory dryout periods are defined in Condition 1694, Part D.2 (S43), Part B.2 (S351) and Part C.2 (S371, S372).
- 3. For heaters S10 (Unit 240, B-101) and S15 through S19 (Unit 244, B-501 through B-505), the duration of startups, shutdowns and low-firing periods are defined as follows:
 - a. startup and shutdown periods are not to exceed 24 hours
 - b. low-firing periods are not to exceed 72 hours
- 4. For heater S13 (Unit 240, B-301), the duration of startups, shutdowns and low-firing periods are defined as follows:
 - a. startup and shutdown periods are not to exceed 72 hours
 - b. low-firing periods are not to exceed 72 hours
- 5. For heaters with no CEMS:

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S2 (Unit 229, B-301)
S3 (Unit 230, B-201)
S4 (Unit 231, B-101)
S5 (Unit 231, B-102)
S7 (Unit 231, B-103)
S9 (Unit 240, B-2)
S11 (Unit 240, B-201)
S12 (Unit 240, B-202)
S20 (Unit 244, B-506)
S22 (Unit 248, B-606)
S29 (Unit 200, B-5)
S30 (Unit 200, B-101)
S31 (Unit 200, B-501)
S336 (Unit 231, B-104)
S337 (Unit 231, B-105)
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startups, shutdowns, and out of service conditions shall each not exceed 5 days in succession at each source.

CONDITION 1860

CONDITIONS FOR S388,

1. Tank T-276 and mixer F-205 (S388) shall be gas-tight, with no detectable emissions. "Detectable Emissions" shall be defined as organic concentration exceeding 300 ppm as

VI. Permit Conditions

methane above background.

[Cumulative Increase]

- 2. S388 shall be vented to the Refinery Vapor Recovery System at all times that S388 is operating. [Cumulative Increase]
- 3. S388 shall be included in the facility fugitive emission monitoring program required by Regulation 8, Rule 18. [Regulation 8, Rule 18]

CONDITION 4336

CONDITIONS FOR S425, S426

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

 After the initial 15 minutes of loading, the A-420 temperature shall be at least 1400 degrees F.

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

 [Cumulative Increase]
- 3. A "regulated organic liquid" shall not be loaded from this facility into a marine tank vessel within the District whenever A-420 is not fully operational. A-420 must be maintained to be leak free, gas tight, and in good working order. For the purposes of this condition, "operational" shall mean the system is achieving the reductions required by Regulation 8, Rule 44; "regulated organic liquids" include gasoline, gasoline blendstocks, aviation gasoline and JP-4 aviation fuel and crude oil. [Cumulative Increase]
- 4. A leak test shall be conducted on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test shall include all vessel relief valves, hatch cover, butterworth plates, gauging connections, and any other potential leak points.

[Cumulative Increase]

- 5. Loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]
- 6a. No more than 25,000 barrels per day of gasoline, naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. [Cumulative Increase]
 - a. When barges are used to ship gasoline, naphtha or C5/C6, the volume of these materials

- shipped during any reporting period is to be multiplied by a factor of 1.66 and included in the shipping totals to determine compliance with the throughput limits.
- b. When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.
- 6b. The maximum loading rate at any time at both S425 and S426 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 S425, S426), and maintenance records required for A-420, which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the District upon request. [Cumulative Increase]

CONDITION 6671

CONDITIONS FOR S307

- 1. The vapor vent on the E-421 condenser (overhead condenser on D-406 condensate stripper in U-240 Unicracker Complex hydrogen plant) shall be vented to the A-50 condenser whenever the vent operates. [Regulation 8-2-301]
- 2. A-50 shall reduce total organic carbon emissions from the E-421 vent as necessary to a level which complies with Regulation 8-2-301. [Regulation 8-2-301]
- 3. All blowdown and other liquid effluent from A-50 shall be piped to the plant wastewater treatment system. [Cumulative Increase]
- 4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound cooler shall be verified on a daily basis. [Cumulative Increase]
- 5. Daily records (on days when the U-240 hydrogen plant operates) of normal scrubbing liquid flow and normal cooling water flow shall be kept in a District-approved log for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 6. Effective 1/1/05, an annual source test shall be performed on the vapor vent on the E-421 condenser to verify compliance with Regulation 8-2-301 in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]

CONDITION 6725

CONDITIONS FOR S432

297 Revision dated:

- 1) All new flanges in hydrocarbon service associated with the S432 Deisobutanizer project shall utilize graphitic gaskets. All new valves in hydrocarbon service associated with the project shall be either live-loaded valves, bellows-sealed valves, diaphragm valves, or other District approved equivalent valve designs. [BACT, Cumulative Increase]
- 2) All new pressure relief valves in hydrocarbon service associated with the S432 project shall be vented to the refinery flare gas recovery system.

[BACT, Cumulative Increase]

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

[BACT, Cumulative Increase]

CONDITION 7353

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

 [Cumulative Increase]

CONDITION 7523

CONDITIONS FOR S294 (GDF 7609)

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

CONDITION 11219

CONDITIONS FOR S449 (T-285)

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

CONDITION 12121

CONDITIONS FOR S370

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

CONDITION 12122

CONDITIONS FOR S352, 353, 354, 355, 356, 357

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

 [Cumulative Increase]
- 2. A HRG duct burner shall be operated only when the associated gas turbine is operated. [Cumulative Increase]
- 3. The exhaust from S352 and S355 shall be abated at all times by SCR unit A-13, except that S352 and S355 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the 352 and S355 NOx emission rate whenever 352 and S355 operate without abatement. All emission limits applicable to 352 and S355 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
- 4. The exhaust from S353 and S356 shall be abated at all times by SCR unit A-14, except that S353 and S356 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the 353 and S356 NOx emission rate whenever 353 and S356 operate without abatement. All emission limits applicable to 353 and S356 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
- 5. The exhaust from S354 and S357 shall be abated at all times by SCR unit A-15, except that S354 and S357 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the 354 and S357 NOx emission rate whenever 354 and S357 operate without abatement. All

- emission limits applicable to 354 and S357 shall remain in effect whether or not they are operated with SCR abatement. [BACT, Cumulative Increase]
- 6. Total fuel fired in S355, S356, and S357 shall not exceed 2.42 E 12 BTU in any consecutive 365 day period. [Cumulative Increase]
- 7. CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not 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, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day.

 [BACT, Cumulative Increase]
- 9b. NOx emissions from S 352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 10a. The combined CO emissions from S352, S353, S354, S 355, S356 and S357 shall not exceed 200 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

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

[BACT, Cumulative Increase]

12. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide.

[Cumulative Increase]

13. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report.

[Cumulative Increase]

VI. Permit Conditions

- 14. A source test to verify compliance with Parts 8 and 11 shall be performed each calendar year in accordance with District source test methods or other methods approved in advance by the District. A copy of the test report shall be provided to the District Director of Compliance and Enforcement within 45 days of completion of the test. [Regulation 2-6-409.2]
- 15. Records shall be maintained to allow verification of compliance with all permit conditions. Records shall be retained for at least five years and shall be made available to the District upon request. [BACT, Cumulative Increase]

CONDITION 12124

CONDITIONS FOR S439 (T-109)

- 1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:
 - 3,650 thousand barrels

[Cumulative Increase]

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

CONDITION 12125

CONDITIONS FOR S440 (T-110)

- 1. The following total throughput shall not be exceeded in any rolling continuous 12 month period:
 - 3,600 thousand barrels

[Cumulative Increase]

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

CONDITION 12127

CONDITIONS FOR S442 (T-112)

VI. Permit Conditions

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

2,740 thousand barrels

[Cumulative Increase]

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

Revision dated:

CONDITION 12129

CONDITIONS FOR S444 (T-243)

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

4,380 thousand barrels

[Cumulative Increase]

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

CONDITION 12130

CONDITIONS FOR S445 (T-271)

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

CONDITION 12131

CONDITIONS FOR S446 (T-310)

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

CONDITION 12132

CONDITIONS FOR S447 (T-311)

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

CONDITION 12133

CONDITIONS FOR S448 (T-1007)

VI. Permit Conditions

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

[Cumulative Increase]

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

CONDITION 12245

CONDITIONS FOR S450

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

 [Cumulative Increase]

CONDITION 13184

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

CONDITION 16677

CONDITIONS FOR \$376, 377, 378

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

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

[Cumulative Increase and Toxic Risk Screen]

CONDITION 18251

Conditions for S380, S389

- 1a. Activated Carbon Silo S380 shall be vented through the A-20 baghouse whenever it is in service.
- 1b. Diatomaceous Earth Silo S389 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

- 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 S296 and S398. [Regulation 8-1-110.3; 2-1-403]Deleted Application 12601.
- 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 S296 and S398. 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] Deleted Application 12601.
- 3. For the purposes of these conditions, a flaring event is defined as a flow rate of vent gas flared in any consecutive 15 minutes period that continuously exceeds 330 standard cubic feet per minute (scfm). If during a flaring event, the vent gas flow rate drops below 330 scfm and then increases above 330 scfm within 30 minutes, that shall still be considered a single flaring event, rather than two separate events. For each flaring event during daylight hours (between sunrise and sunset), the owner/operator shall inspect the flare within 15 minutes of determining the flaring event, and within 30 minutes of the last inspection thereafter, using video monitoring or visible inspection following the procedure described in Part 4. [Regulation 2-6-409.2]
- 4. The owner/operator shall use the following procedure for the initial inspection and each 30-minute inspection of a flaring event.
 - a. If the owner/operator can determine that there are no visible emissions using video monitoring, then no further monitoring is necessary for that particular inspection.
 - b. If the owner/operator cannot determine that there are no visible emissions using video monitoring, the owner/operator shall conduct a visual inspection outdoors using either:
 - i. EPA Reference Method 9; or
 - ii. Survey the flare by selecting a position that enables a clear view of the flare at least 15 feet, but not more than 0.25 miles, from the emission source, where the sun is not directly in the observer's eyes.
 - c. If a visible emission is observed, the owner/operator shall continue to monitor the flare for at least 3 minutes, or until there are no visible emissions, whichever is shorter.
 - d. The owner/operator shall repeat the inspection procedure for the duration of the flaring event, or until a violation is documented in accordance with Part 5. After a violation is

documented, no further inspections are required until the beginning of a new calendar day.

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

- 5. The owner/operator shall comply with one of the following requirements if visual inspection is used:
 - 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 S398 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 S398 only; Reg 2-1-403] Deleted Application 12601.

CONDITION 18629

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

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

[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

CONDITION 18629

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

- C. to inspect any equipment, operation, or method required in this Approval to Construct/Modify; and
- D. to sample emissions from this source.

VI. Transfer of Ownership

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

VII. Severability

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

VIII. Other Applicable Regulations

The owner and operator of the proposed project shall construct and operate the proposed

stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations.

IX. Special Conditions

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

B. Air Pollution Control Equipment

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

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

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

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 S352, S353, S354, S355, S356, S357

- 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 S352, S353, S354, S355, S356, S357

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

H. New Source Performance Standards

The proposed cogeneration facility is subject to the Federal regulations entitled Standards of Performance for New Stationary Sources (40 CFR 60). The permit holder shall meet all applicable requirements of Subparts A and GG of this regulation.

X. Agency Notifications

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

A. Director, Air Management Division (Attn: A-3-3)

EPA Region 9 215 Fremont Street San Francisco, CA 94105 (415/974-8034)

B. Chief, Stationary Source Division California Air Resources Board P O Box 2815 Sacramento, CA 95812

C. Air Pollution Control Officer
 Bay Area Air Quality Management District
 939 Ellis Street
 San Francisco, CA 94109

CONDITION 18680

Conditions for S294

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

CONDITION 19278

Conditions for S1001, S1002, S1003

- 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] Deleted Application 11699 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]
- 2. Deleted Application 11699
- 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

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District Director of Compliance and Enforcement within 45 days of the test.

[Regulation 6-330]

4. The Owner/Operator shall monitor and record on a monthly basis the visible emissions from Sources S-1001, S-1002, and S-1003 to demonstrate compliance with Regulation 6-301 (Ringlemann 1 or 20% opacity). These records shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: Regulation 6-301]

CONDITION 19476

Conditions for S451

- 1. The total throughput at tank S451 shall not exceed 11,000,000 barrels in any consecutive 12-month period. [Cumulative Increase]
- 2. S451 shall comply with the following design requirements, in addition to any others required by Regulation 8, Rule 5, NSPS Subpart Kb or NESHAP Subpart CC:
 - a. adjustable roof legs, if used, must be equipped with vapor boot seals, or with an equivalent vapor loss control device approved by the District [BACT, Cumulative Increase]
- 3. Monthly records of the type and net amount of materials stored at S451 shall be kept in a District-approved log for at least 5 years and shall be made available to the District upon request. [Cumulative Increase]

CONDITION 19488

CONDITIONS FOR S50, 51, 52

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

CONDITIONS FOR S53, 54, 55, 56, 57, 58, 59

3. The owner/operator of emergency standby engines S53, S54, S55, S56, S57, S58, and S59 shall operate these engines only for emergency use or for reliability-related activities. Operations for reliability-related activities shall not exceed 100 hours per calendar year for each engine. Operation for emergency use is unlimited. [Regulation 9-8-330]

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- 4. Emergency use is defined as the use of an emergency standby engine during any of the following:
 - a. In the event of loss of regular natural gas supply;
 - b. In the event of failure of regular electric power supply;
 - c. Flood mitigation;
 - d. Sewage overflow mitigation;
 - e. Fire:
 - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor. [Regulation 9-8-231]
- 5. Reliability-related activities is defined as the use of an emergency standby engine during any of the following: [Regulation 9-8-232]
 - a. Operation of an emergency standby engine to test its ability to perform for an emergency use;
 - b. Operation of an emergency standby engine during maintenance of a primary motor.
- 6. Each emergency standby engine shall be equipped with either: [Regulation 9-8-530]
 - a. A non-resettable totalizing meter that measures and records hours of operation.
 - b. A non-resettable fuel usage meter
- 7. All records shall be kept for at least five years, and shall be available for inspection by District staff upon request. The owner/operator shall keep a monthly log of usage that shall indicate the following:

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

CONDITION 20620

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]

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).

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

2. The results of the testing shall be maintained in a District-approved log for at least five years from the date of the record, and shall be made available to District staff upon request.

[Basis: 2-6-409.2]

CONDITION 21092

CONDITIONS FOR S300

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

CONDITION 21094

CONDITIONS FOR \$460 HYDROTREATER

- 1. The owner/operator of S460 shall not exceed a feed rate of 35,000 bbl/day on a monthly average basis at this unit. [Regulation 2-1-234]
- 2. The owner/operator of S460 shall maintain the following records in a District-approved log. These records shall be kept for at least 5 years and shall be made available to the District upon

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request.

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

[Regulation 2-1-234]

CONDITION 21095

CONDITIONS FOR S304 HYDROTREATER

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

[Regulation 2-1-234]

CONDITION 21096

CONDITIONS FOR \$461 HEATER

- 1. The owner/operator of the S461 heater shall fire only refinery fuel gas or natural gas at this unit. [BACT, Cumulative Increase]
- 2. Based on refinery gas HHV, the owner/operator of S461 shall not exceed the following firing rates:
 - a. 50.2 million BTU/hr
 - b. 439,800 million BTU in any consecutive 12-month period. [Cumulative Increase]
- 3a. The owner/operator of S461 shall abate emissions from S461 at the A-461 SCR system whenever S461 is operated. [BACT, Cumulative Increase]
- 3b. The owner/operator of A-461 shall not exceed the following emission rates from S461/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 ppmy @ 3%	6 oxygen (3 hr avera	ge) [BACT. Cumu	llative Increase

CO 28 ppmv @ 3% oxygen (8 hr average) at 25.1 MM BTU/hr and higher firing rates,

50 ppmv @ 3% oxygen (8 hr average) at firing rates below 25.1 MM BTU/hr

[BACT, Cumulative Increase]

POC 5.5 lb/MM ft3 [Cumulative Increase]

PM10 7.6 lb/MM ft3 [Cumulative Increase] ammonia 10 ppmv @ 3% oxygen (8 hr average) [Toxic Management]

Note: Parts 3a and 3b shall not apply until after the conclusion of the initial startup of S461.

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

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

 [BACT, Cumulative Increase]
- 5b. Following the initial source test 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 S461 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 S461 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, 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 S461 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 S461, unless required to operate a District-approved continuous monitor/recorder by Part 7a.

The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request.

[BACT, Cumulative Increase]

- 8. No later than 90 days from the startup of the S461, 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 S36 HEATER

- 1. The owner/operator of the S36 heater shall fire only refinery fuel gas or natural gas at this unit. [BACT, Cumulative Increase]
- 2. Based on refinery gas HHV, the owner/operator of S36 shall not exceed the following firing rates:
 - a. 82.1 million BTU/hr
 - b. 719,200 million BTU in any consecutive 12-month period. [Cumulative Increase]
- 3a. The owner/operator of S36 shall abate emissions from S36 at the A-36 SCR system whenever S36 is operated. [BACT, Cumulative Increase]
- 3b. The owner/operator of S36 shall not exceed the following emission rates from S36/A-36 except during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

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

Note: Parts 3a and 3b shall not apply until after the conclusion of the initial startup of S36.

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

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

 [BACT, Cumulative Increase]
- 5b. Following the initial source test 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 S36 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 S36 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, 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 S36 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 S36, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request.

 [BACT, Cumulative Increase]
- 8. No later than 90 days from the startup of the S36, 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]

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 [BACT, Cumulative Increase, Toxic Management] testing.

CONDITION 21099

CONDITIONS FOR ULSD PROJECT FUGITIVE COMPONENTS

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

count is less than the predicted, at the completion of the project, the total will be adjusted accordingly and all emission offsets applied by the owner/operator in excess of the actual total fugitive emissions will be credited back to owner/operator prior to issuance of the permits.

[BACT, Cumulative Increase, Toxic Management]

CONDITION 21235

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

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

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

2. The owner/operator of each source listed in Part 1 shall properly install, properly maintain, and

properly operate an O2 monitor and recorder. This Part shall be effective December 1, 2004. [Regulation 9-10-502]

- 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 O ₂ at High	Mid O ₂ at	Max O ₂ at High
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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 asfound 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

Facility Name: ConocoPhillips Company – San Francisco Refinery Permit for Facility #: A0016

VI. Permit Conditions

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.

		annual throughput limit (any consecutive 12-month
	hourly / daily throughput	period unless otherwise
source number	limit	specified)
15	Table II-A	19.9 E 6 therm total at S15
		through S19
16	Table II-A	19.9 E 6 therm total at S15
		through S19
17	Table II-A	19.9 E 6 therm total at S15
		through S19
18	Table II-A	19.9 E 6 therm total at S15
		through S19
19	Table II-A	19.9 E 6 therm total at S15
		through S19
20	Table II-A	1.9 E 6 therm
21	Table II-A	0.7 E 6 therm
22	Table II-A	2.6 E 6 therm
29	Table II-A	8.6 E 6 therm
30	Table II-A	4.2 E 6 therm
31	Table II-A	1.7 E 6 therm
43	Table II-A	19.1 E 6 therm
44	Table II-A	3.8 E 6 therm
*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	
*112		1.31 E 7 bbl 1.49 E 7 bbl
*113	NA for tank	1.49 E 7 bbl
*114	NA for tank	
	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 S301,
		302, 303 (98,915 long ton
		after S1002, 1003 modified
		in accordance with A/C 5814
*302	Table II-A	89,425 long ton for S301,
		302, 303 (98,915 long ton
		after S1002, 1003 modified
		in accordance with A/C 5814
*303	Table II-A	89,425 long ton for S301,
		302, 303 (98,915 long ton
		after S1002, 1003 modified
201	77.11 xx 4	in accordance with A/C 5814
304 (until modified in accordance with A/C 5814,	Table II-A	3.47 E 6 bbl
then deleted from this table)		
305	Table II-A	10.22 E 6 bbl
306	Table II-A	7.67 E 6 bbl
307	Table II-A	1.533 E 7 bbl
*308	Table II-A	5.87 E 6 bbl
*309	Table II-A	6.11 E 6 bbl
*318	Table II-A	3.3 E 7 bbl
*319	Table II-A	3.51 E 6 bbl
324	Table II-A	3.68 E 9 gallons
*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 S371/372
372	Table II-A	4.8 E6 therm for S371/372
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

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)
383	420,000 gal/hr	3.68 E 9 gal
384	420,000 gal/hr	3.68 E 9 gal
385	Table II-A	3.68 E 9 gal
386	3600 gal/hr	3.2 E 7 gal
387	Table II-A	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 S425 and
		S426 (annual average)
426	Table II-A	25,000 bbl/day at S425 and
		S426 (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 S1001, 1002, 1003 (98,915 long ton after S1002, 1003 modified in accordance with A/C 5814
*1002	Table II-A	89,425 long ton for S1001, 1002, 1003 (98,915 long ton after S1002, 1003 modified in accordance with A/C 5814
*1003	Table II-A	89,425 long ton for S1001, 1002, 1003 (98,915 long ton after S1002, 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, for any unscheduled startup or shutdown of a process unit, within 48 hours or

within the next normal business day. The notification shall be sent in writing by fax or email to the Director of Enforcement and Compliance. This requirement is not federally enforceable. [Regulation 2-1-403]

CONDITION 22121

For Sources S452-S455, S457, S458, S500, Cooling Towers (Application 10349)

- 1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water at each cooling tower above on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]
- 2. The owner/operator shall take a sample of the cooling tower water every shift [twice per day) at each cooling tower above and analyze for chlorine content as an indicator of hydrocarbon leakage into the cooling water. [Regulation 2-6-503]
- 3. The owner/operator shall maintain monthly records of sodium hypochlorite (NaOCl) usage at each cooling tower above. [Regulation 2-6-501]
- 4. *The owner/operator shall sample the cooling tower water at each cooling tower at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [Regulations 2-6-503, Regulation 3]
- 5. If the monitoring in part 1 or part 2 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]
- 6. If the monitoring in part 1 or part 2 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs at Sources S452, S457, or S500, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at any source. If more than 5 tons VOC per year is emitted at S452, S457, or S500, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]
- 7. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling towers. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that S452 has not emitted more than 5 tons particulate per year. [Regulations 2-1-319.1, 3]
- 8. The owner/operator shall maintain the following records for five years from the date of record:
 a. Records of daily visual inspection

- b. Records of chlorine content every shift (twice/day)
- c. Records of daily usage of sodium hypochlorite
- d. Records of monthly determination of total dissolved solids
- e. Records of any indications of hydrocarbon leaks
- f. Records of any analyses of VOC content in cooling tower inlet and outlet [Regulation 2-6-501]

CONDITION 22122

For Source S456, Cooling Tower (Application 10349)

- 1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]
- 2. The owner/operator shall sample the cooling tower water at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [basis: Regulations 2-6-503, Regulation 3]
- 3. If the monitoring in part 1 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]
- 4. If the monitoring in part 1 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at the source. If more than 5 tons VOC per year is emitted at the source, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]
- 5. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling tower. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that the cooling tower has not emitted more than 5 tons particulate per year. [Regulation 2-6-501, 3]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII – All Sources Facility-Specific Generally Applicable Requirements

			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 61,	Y		Exemption for facilities	40 CFR 61,	P/A	Records,
	Subpart FF,			with less than 10 Mg/yr of	Subpart FF,		report
	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					

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
VOC	BAAQMD Regulation 8-5-328.2	Y		Tank cleaning control device standard includes 90% abatement efficiency requirement	BAAQMD 8-5-502	P/A	source test
VOC	NSPS Subpart Kb 60.112b(a)(2) and NESHAP Subpart CC 63.647(a)	Y		VOC concentrations shall not exceed 500 ppmv above background	NESHAP Subpart CC 63.642(e), 63.642(f) and 63.654(i)(4)	P/Q-visual and A- measuremen ts and reports	Visual inspections, portable HC detector (EPA Method 21) and records of detectable emissions, inspections and repairs
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	None	N	None
FP	BAAQMD 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	BAAQMD Regulation 6-311	Y		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
SO2	BAAQMD Regulation 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)	at the request of the District, 9-1- 501 requires compliance with BAAQMD 1-510	C	SO2 GLM

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/AN	source test
	Regulation			removal and recovery	Condition		
	9-1-313.2			system that removes and	19278, Part 1		
				recovers: 95% of H2S from	None		
				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		N P/A	source test
502	Regulation	1		removal and recovery	NoneBAAQ	<u>- 1</u> 1/11	504100 1051
	9-1-313.2			system that removes and	MD		
	7 1 313.2			recovers: 95% of H2S from	Condition		
				refinery fuel gas, 95% of	19278, Part 1		
				H2S and ammonia from	19270, 1 alt 1		
				process water streams Ground level	DAAOMD	С	Area
H2S	BAAQMD	N		concentrations < 0.06 ppm	BAAQMD 9-2-501,	C	Monitoring
	Regulation			averaged over 3	1-510, 1-530		wioiiitoiiiig
	9-2-301			consecutive minutes or <	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 $S2-U{\rm NIT}\ 229,\ B\text{--}301\ HEATER$

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

 $Table\ VII-A.1$ Applicable Limits and Compliance Monitoring Requirements $S2-U{\rm NIT}\ 229,\ B\text{-}301\ HEATER$

52 – UNII 223, D-301 HEATEK									
			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					
Heat input	BAAQMD	Y		528 MMbtu/day heat	BAAQMD	P/D	records		
Heat input	Condition			ratings, firing limits (see	Condition				
	1694, Part			condition)	1694, Part				
	A.1				A.5				
Heat input	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records		
	Condition			averaged over any year at	Condition				
	1694, Part			S2, S3, S4, S5, S7	1694, Part F.3				
	F.2								
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor		
			monitor-		9-10-502.1				
			ing only						
					BAAQMD				
					Condition				
					21235, Part 2				
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test		
	9-10-305		monitor-		9-10-502.1				
			ing only						
					BAAQMD				
					Condition				
					21235, Part 7				
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	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 $S2-U{\rm NIT}\ 229,\ B\text{-}301\ HEATER$

	h				1		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $Table\ VII-A.2$ Applicable Limits and Compliance Monitoring Requirements $S3-U{\rm NIT}\ 230,\ B\text{-}201\ HEATER$

			Future	CITI 250, D 201 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		1,488 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
Heat input	BAAQMD	Y		346.5 MM BTU/hr	BAAQMD	P/M	records
	Condition			averaged over any year at	Condition		
	1694, Part			S2, S3, S4, S5, S7	1694, Part F.3		
	F.2						

 $\begin{array}{c} Table~VII-A.2\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S3-Unit~230,~B-201~HEATER \end{array}$

				UNII 230, D-201 HEA			
			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	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
1 3	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
Opacity	BAAQMD	Y		Ringelmann 1 for no more	BAAQMD	P/E (before	visual
	6-301			than 3 minutes in any hour	Condition	1 million	inspection
				(liquid fuel firing)	1694, Part	gallons of	•
					A.2c	liquid fuel	
						combusted)	
Opacity	BAAQMD	Y		No visible emissions	BAAQMD	P/E	visual
	Condition				Condition		inspection
	1694, Part				1694, Part		•
	A.2b				A.2b		
FP	BAAQMD	Y		Prohibition of nuisance	None	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		0.15 grain/dscf @, 6% O2	BAAQMD	P/E (before	visual
	6-310.3			(liquid fuel firing)	Condition	1 million	inspection
				(i · · · · · · · · · · · · · · · · · ·	1694, Part	gallons of	1
					A.2c	liquid fuel	
						combusted)	
					<u> </u>	comousica)	

 $Table\ VII-A.2$ Applicable Limits and Compliance Monitoring Requirements $S3-U{\rm NIT}\ 230,\ B\text{-}201\ HEATER$

				/			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.3

Applicable Limits and Compliance Monitoring Requirements

S4 – UNIT 231, B-101 HEATER

	54 – UNIT 251, 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMBTU								
Heat input	BAAQMD	Y		2,304 MMbtu/day	BAAQMD	P/D	records					
	Condition				Condition							
	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			S2, S3, S4, S5, S7	1694, Part F.3							
	F.2											

 $Table\ VII-A.3$ Applicable Limits and Compliance Monitoring Requirements $S4-Unit\ 231,\ B-101\ Heater$

			D-T	ONII 231, D-101 HEA			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
O2		N	1/1/05 for	No limit	BAAQMD	C	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S5 – UNIT 231, B-102 HEATER

Type of Citation FE Effective Limit of Limit Y/N Date Lim NOx BAAQMD N 1/1/05 for Refinery-wide 9-10-301 monitor 0.033 lb NOx	Monitoring Monitoring Requirement Frequency Monitoring ait (P/C/N) Type
Limitof LimitY/NDateLimNOxBAAQMDN1/1/05 for monitorRefinery-wide 0.033 lb NOx	
NOx BAAQMD N 1/1/05 for Refinery-wide monitor 0.033 lb NOx	nit Citation (P/C/N) Type
9-10-301 monitor 0.033 lb NOx	
	e emissions: BAAQMD P/SA source test
	x/ MMBTU 9-10-502.1
ing only	
	BAAQMD
	Condition
	21235, Part 7
NOx BAAQMD Y Federal em	nissions: None N None
9-10-303 Refinery-wide	e emissions:
0.20 lb NOx	/MMBTU
Heat input BAAQMD Y 2,496 MM	1btu/day BAAQMD P/D records
Condition	Condition
1694, Part	1694, Part
A.1	A.5
Heat input BAAQMD Y 346.5 MM	BTU/hr BAAQMD P/M records
Condition averaged over	any year at Condition
1694, Part S2, S3, S4	l, S5, S7 1694, Part F.3
F.2	
O2 N 1/1/05 for No lii	mit BAAQMD C O2 Monitor
monitor-	9-10-502.1
ing only	
	BAAQMD
	Condition
	21235, Part 2
CO BAAQMD N 1/1/05 for 400 ppmv (di	ry, 3% O ₂) BAAQMD P/SA source test
9-10-305 monitor	9-10-502.1
ing only	
	BAAQMD
	Condition
	21235, Part 7
Opacity BAAQMD Y Ringelmann 1	· · · · · · · · · · · · · · · · · · ·
6-301 than 3 minutes	
	fueled
	sources

Table VII – A.4
Applicable Limits and Compliance Monitoring Requirements
S5 – UNIT 231, B-102 HEATER

	55 - UNII 251, D-102 HEATER										
_			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		S461 for	startup of S36 and S461)	1694, Part						
	A.4		modified		A.3a						
			limit								
Fuel Flow		Y		No limit	BAAQMD	С	Fuel				
					9-10-502.2		Flowmeter				

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S7 – UNIT 231, B-103 HEATER

	S7 - UNII 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				
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	N	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMBTU							
Heat input	BAAQMD	Y		1,536 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1				A.5						

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S7 – Unit 231, B-103 Heater

			Future	ONII 231, D-103 HEA	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Heat input	BAAQMD	Y	Date	346.5 MM BTU/hr	BAAQMD	P/M	records
ricat iliput	Condition	1			Condition	F/IVI	records
	1694, Part			averaged over any year at S2, S3, S4, S5, S7	1694, Part F.3		
	F.2			32, 33, 34, 33, 37	1094, Part F.3		
O2	Γ.2	N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
02		11	monitor	1 to mine	9-10-502.1	C	02 1/10/11/01
			ing only		7 10 002.1		
			<i>S</i> - <i>y</i>		BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None	N	None
	6-301			than 3 minutes in any hour			
				(gaseous fuel firing)			
Opacity	BAAQMD	Y		Ringelmann 1 for no more	BAAQMD	P/E (before	visual
	6-301			than 3 minutes in any hour	Condition	1 million	inspection
				(liquid fuel firing)	1694, Part	gallons of	
					A.2c	liquid fuel	
						combusted)	
Opacity	BAAQMD	Y		No visible emissions	BAAQMD	P/E	visual
	Condition				Condition		inspection
	1694, Part				1694, Part		
	A.2b				A.2b		
FP	BAAQMD	Y		Prohibition of nuisance	None	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 $S7-U{\rm NIT}\ 231,\ B\text{-}103\ HEATER$

			Future		Monitorina	Monitonina	
			ruture		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	BAAQMD	P/E (before	visual
	6-310.3			(liquid fuel firing)	Condition	1 million	inspection
					1694, Part	gallons of	
					A.2c	liquid fuel	
						combusted)	
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements
S8 – UNIT 240, B-1 BOILER

	58 – UNIT 240, B-1 BOILER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM					
				CO2)	1-520.1							
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM					
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1							
			ing only									
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMBTU								
Heat input	BAAQMD	Y		6,144 MMbtu/day	BAAQMD	P/D	records					
	Condition				Condition							
	1694, Part				1694, Part							
	A.1				A.5							

Table VII – A.6
Applicable Limits and Compliance Monitoring Requirements S8 – UNIT 240, B-1 BOILER

	56 - UNII 240, D-1 DOILER												
			Future		Monitoring	Monitoring							
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring						
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records						
	Condition			averaged over any year at	Condition								
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3								
	F.1			S14									
O2		Y			BAAQMD	С	O2 Monitor						
					1-520.1								
O2		N	1/1/05 for	No limit	BAAQMD	C	O2 Monitor						
			monitor-		9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 2								
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test						
	9-10-305		monitor-		9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 8								
Opacity	BAAQMD	Y		During tube cleaning,	None for	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			5	gaseous-								
					fueled								
					sources								
	ļi				5041005								

 $\begin{tabular}{ll} Table~VII-A.6\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S8-Unit~240,~B-1~Boiler\\ \end{tabular}$

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

			Future	C1(11 240, D 2 D011	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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		1,464 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
	Condition			averaged over any year at	Condition		
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3		
	F.1			S14			

Table VII – A.7

Applicable Limits and Compliance Monitoring Requirements

S9 – UNIT 240, B-2 BOILER

			57	- CNII 240, B-2 BOIL			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
O2		N	1/1/05 for	No limit	BAAQMD	C	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	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 $S10-Unit\ 240,\ B-101\ Heater$

S10 – UNIT 240, B-101 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM			
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1					
			ing only							
NOx	BAAQMD	Y		Federal emissions:	None	N	None			
	9-10-303			Refinery-wide emissions:						
				0.20 lb NOx/MMBTU						
Heat input	BAAQMD	Y		5,352 MMbtu/day	BAAQMD	P/D	records			
	Condition			·	Condition					
	1694, Part				1694, Part					
	A.1				A.5					
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records			
•	Condition			averaged over any year at	Condition					
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3					
	F.1			S14						
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor			
			monitor-		9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 2					
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305		monitor-		9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 8					
Opacity	BAAQMD	Y		During tube cleaning,	None for	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.8

Applicable Limits and Compliance Monitoring Requirements

\$10 - Unit 240, B-101 Heater

	h		510	- UNII 240, D-101 IIE	TIEK -		
-	~*· · ·		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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	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
S11 – UNIT 240, B-201 HEATER

			511	- CIVII 240, D-201 IIE.			
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.9
Applicable Limits and Compliance Monitoring Requirements
S11 – UNIT 240, B-201 HEATER

S11 - UNII 240, D-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				
Heat input	BAAQMD	Y		2,592 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1				A.5						
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records				
	Condition			averaged over any year at	Condition						
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3						
	F.1			S14							
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor				
			monitor		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305		meniter-		9-10-502.1						
			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						

 $Table\ VII-A.9$ Applicable Limits and Compliance Monitoring Requirements $S11-Unit\ 240,\ B-201\ Heater$

			Future	,	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\begin{array}{c} Table~VII-A.10\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S12-Unit~240,~B-202~Heater \end{array}$

			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		1,008 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
	Condition			averaged over any year at	Condition		
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3		
	F.1			S14			

Table VII – A.10 Applicable Limits and Compliance Monitoring Requirements S12 – UNIT 240, B-202 HEATER

	S12 – 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					
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor					
			monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 2							
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305		monitor-		9-10-502.1							
			ing only									
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		S461 for	startup of S36 and S461)	1694, Part							
	A.4		modified		A.3a							
			limit									
Fuel Flow		Y		No limit	BAAQMD	С	Fuel					
					9-10-502.2		Flowmeter					

 $\begin{tabular}{ll} Table~VII-A.11\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S13-Unit~240,~B-301~Heater\\ \end{tabular}$

			S13 -	- Unit 240, B-301 He	ATER		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		4,656 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
	Condition			averaged over any year at	Condition		
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3		
	F.1			S14			
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		During tube cleaning,	None for	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.11
Applicable Limits and Compliance Monitoring Requirements
S13 – UNIT 240, B-301 HEATER

	h		515	- UNII 240, D-301 IIE	I I DIX	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
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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	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
S14 – UNIT 240, B-401 HEATER

				CIVIT 2 10, B 101 IIE			
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

Table VII – A.12 Applicable Limits and Compliance Monitoring Requirements S14 – UNIT 240, B-401 HEATER

			ATER				
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Heat input	BAAQMD	Y		13,344 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
Heat input	BAAQMD	Y		993.7 MM BTU/hr	BAAQMD	P/M	records
	Condition			averaged over any year at	Condition		
	1694, Part			S8, S9, S10, S11, S12, S13,	1694, Part F.3		
	F.1			S14			
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		During tube cleaning,	None for	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		

Table VII – A.12 Applicable Limits and Compliance Monitoring Requirements S14 – UNIT 240, B-401 HEATER

				- ONII 240, D-401 IIE			
			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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\begin{array}{c} \textbf{Table VII-A.13} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S15-Unit 244, B-501 Heater} \end{array}$

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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1				A.5		

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S15 – UNIT 244, B-501 HEATER

Type of Limit					- UNII 244, D-301 HE			
Co				Future		Monitoring	Monitoring	
No No No No No No No No	Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
CO	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO BAAQMD N 9-10-305	O2		N	1/1/05 for	No limit	BAAQMD	C	O2 Monitor
CO BAAQMD N 1/1/05 for monitor ing only BAAQMD P/SA source test monitor ing only BAAQMD Condition 21235, Part 2 Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour fueled sources FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y Only Gaseous-fueled sources FP BAAQMD Y Only Grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition S36, month (1,611 lb/day after A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel				monitor-		9-10-502.1		
Condition 21235, Part 2 CO BAAQMD N 1/11/05 for monitor ing only Polarity BAAQMD Polarity BAAQMD Condition 21235, Part 8 Prohibition of nuisance None for gaseous-fueled sources Prohibition of nuisance None for gaseous-fueled Prohibition of				ing only				
CO						BAAQMD		
CO BAAQMD N 1/1/05 for monitor ing only P/SA 9-10-305 N 1/1/05 for monitor ing only P/SA 9-10-502.1 BAAQMD P/SA Source test 9-10-502.1 BAAQMD Condition 21235, Part 8 Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour gaseous-fueled sources FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y O.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit No limit BAAQMD C Fuel						Condition		
9-10-305						21235, Part 2		
BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour fueled sources PP BAAQMD Y Prohibition of nuisance None for fueled sources None for fueled sources PP BAAQMD Y Prohibition of nuisance None for gaseous-fueled sources None for gaseous-fueled sources PR BAAQMD Y O.15 grain/dscf @ 6% O2 None for gaseous-fueled sources None N None	СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour gaseous-fueled sources FP BAAQMD Y Prohibition of nuisance FP BAAQMD Y O.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition S36, month (1,611 lb/day after A.4 modified limit No limit BAAQMD C Fuel Fuel Flow Y No limit BAAQMD C Fuel		9-10-305		monitor-		9-10-502.1		
Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour G-301 Prohibition of nuisance FP BAAQMD Y Prohibition of nuisance FP BAAQMD Y O.15 grain/dscf @ 6% O2 Sources Fueled sources SO2 BAAQMD Y Startup of Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit No limit BAAQMD C Fuel Flow Full Flow Figure 12 modified sources Fuel Flow Full Flow Figure 12 modified S1235, Part 8 Ringelmann 1 for no more None for None of None for S36, month (1,611 lb/day after S461 for S461 fo				ing only				
Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour G-301 Prohibition of nuisance FP BAAQMD Y Prohibition of nuisance FP BAAQMD Y O.15 grain/dscf @ 6% O2 Sources Fueled sources SO2 BAAQMD Y Startup of Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit No limit BAAQMD C Fuel Flow Full Flow Figure 12 modified sources Fuel Flow Full Flow Figure 12 modified S1235, Part 8 Ringelmann 1 for no more None for None of None for S36, month (1,611 lb/day after S461 for S461 fo						BAAQMD		
Opacity 6-301 Y Ringelmann 1 for no more than 3 minutes in any hour gaseous-fueled sources FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y O.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition 1694, Part A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel						-		
than 3 minutes in any hour gaseous- fueled sources FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous- fueled sources SO2 BAAQMD Y startup of Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit No limit BAAQMD C Fuel Fuel Flow Y No limit BAAQMD C Fuel						21235, Part 8		
than 3 minutes in any hour gaseous- fueled sources FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous- fueled sources SO2 BAAQMD Y startup of Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit No limit BAAQMD C Fuel Fuel Flow Y No limit BAAQMD C Fuel	Opacity	BAAQMD	Y		Ringelmann 1 for no more		N	None
FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y startup of Condition S36, month (1,611 lb/day after A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel		6-301				gaseous-		
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel					-	fueled		
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel						sources		
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel	FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
Ge-310.3 Germany Ge		=						
SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit Sulfater Fuel Flow Y No limit Fuel Flow Fig. 1,558 lb/day SO2 over any sources BAAQMD P/3 times TRS Condition per day analysis 1694, Part A.3a Fuel Flow Flow Flow Flow Flow Flow Flow Flo	FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
SO2 BAAQMD Y startup of 1,558 lb/day SO2 over any Condition 1694, Part A.4 modified limit Fuel Flow Y Startup of Y Startup of Solution So		6-310.3				gaseous-		
SO2 BAAQMD Y startup of Condition 1694, Part A.4 Modified limit Substitute Fuel Flow Y startup of Society Research Research Society Research Resear								
Condition S36, month (1,611 lb/day after 1694, Part A.4 modified limit No limit BAAQMD C Fuel						sources		
1694, Part	SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
A.4 modified limit Fuel Flow Y No limit BAAQMD C Fuel		Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
Fuel Flow Y No limit BAAQMD C Fuel		1694, Part		S461 for	startup of S36 and S461)	1694, Part		
Fuel Flow Y No limit BAAQMD C Fuel		A.4		modified		A.3a		
				limit				
	Fuel Flow		Y		No limit	BAAQMD	С	Fuel
n						9-10-502.2		Flowmeter
throughput BAAQMD Y 19.9 E 6 therm/yr (total) at BAAQMD P/M records	throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
Condition S15, S16, S17, S18, S19 Condition		-			• , ,	=		
20989, Part A								
Part A		-						

 $Table\ VII-A.14 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S16-Unit\ 244,\ B-502\ Heater \\$

			S16 -	<u>- Unit 244, B-502 He</u>	ATER		
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1				A.5		
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-	11 (), 2)	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
F J	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
	6-305	-			1,0110	± ·	1,0110
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
11	6-310.3	1		5.15 grain aser to 570 O2	gaseous-	11	110110
	0 510.5				fueled		
					sources		

Table VII – A.14
Applicable Limits and Compliance Monitoring Requirements
S16 – UNIT 244, B-502 HEATER

			D 10	- ONII 277, D-302 IIE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S15, S16, S17, S18, S19	Condition		
	20989,				20989, Part A		
	Part A						

 $\begin{array}{c} \textbf{Table VII-A.15} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S17-Unit 244, B-503 Heater} \end{array}$

			517	- CIVII 244, D-303 IIE.			
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1				A.5		

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements S17 – UNIT 244, B-503 HEATER

				- UNII 244, D- 303 ПЕ			
			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	1/1/05 for	No limit	BAAQMD	C	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part	. ,	,
	A.4		modified	,	A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2	-	Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
0-F 34	Condition			S15, S16, S17, S18, S19	Condition		
	20989,			-,,, ~-~, ~+>	20989, Part A		
	Part A				,		
	1 411 / 1				I		

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S18 – UNIT 244, B-504 HEATER

			S18 -	– Unit 244, B-504 He	ATER		
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S15, S16,	Condition		
	1694, Part			S17, S18, S19	1694, Part		
	A.1				A.5		
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		meniter	**	9-10-502.1		
			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-		
				j	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			3	gaseous-	•	
					fueled		
					sources		
	ll				Sources		

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements
S18 – UNIT 244, B-504 HEATER

				- CN11 277, D-307 IIE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S15, S16, S17, S18, S19	Condition		
	20989,				20989, Part A		
	Part A						

 $Table\ VII-A.17 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S19-Unit\ 244,\ B-505\ HEATER$

	917 – UNII 244, D -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	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM			
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1					
			ing only							
NOx	BAAQMD	Y		Federal emissions:	None	N	None			
	9-10-303			Refinery-wide emissions:						
				0.20 lb NOx/MMBTU						
Heat input	BAAQMD	Y		5,754 MMbtu/day averaged	BAAQMD	P/D	records			
	Condition			over any day at S15, S16,	Condition					
	1694, Part			S17, S18, S19	1694, Part					
	A.1				A.5					

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements
S19 – UNIT 244, B-505 HEATER

				- UNII 244, D- 303 H E.			
			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	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition	-	S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified	1	A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
3 F 37	Condition			S15, S16, S17, S18, S19	Condition		
	20989,			, , ., ., ., ., .,	20989, Part A		
	Part A				,		
					IL	L	

 $\begin{array}{c} Table~VII-A.18\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S20-Unit~244,~B-506~Heater \end{array}$

	S20 – UNIT 244, B-306 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/A	source test						
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 7								
NOx	BAAQMD	Y		Federal emissions:	None	N	None						
	9-10-303			Refinery-wide emissions:									
				0.20 lb NOx/MMBTU									
Heat input	BAAQMD	Y		552 MMbtu/day	BAAQMD	P/D	records						
	Condition				Condition								
	1694, Part				1694, Part								
	A.1				A.5								
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor						
			monitor-		9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 2								
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test						
	9-10-305		monitor-		9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 7								
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None						
	6-301			than 3 minutes in any hour	gaseous-								
					fueled								
					sources								
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None						
	6-305												

Table VII – A.18
Applicable Limits and Compliance Monitoring Requirements
S20 – UNIT 244, B-506 HEATER

	520 - UNII 244, D-300 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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		S461 for	startup of S36 and S461)	1694, Part						
	A.4		modified		A.3a						
			limit								
Fuel Flow		Y		No limit	BAAQMD	C	Fuel				
					9-10-502.2		Flowmeter				
throughput	BAAQMD	Y		1.9 E 6 therm/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

Table VII – A.19
Applicable Limits and Compliance Monitoring Requirements
S21 – UNIT 244, B-507 HEATER

				01111 2 1 1, 2 0 0 7 222			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Heat input	BAAQMD	Y		194.4 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	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		

Table VII – A.19
Applicable Limits and Compliance Monitoring Requirements
S21 – UNIT 244, B-507 HEATER

				- CNII 244, B-307 HE			
			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 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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	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 S22 – UNIT 248, B-606 HEATER

	S22 – 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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test			
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1					
			ing only							
					BAAQMD					
					Condition					
					21235, Part 7					
NOx	BAAQMD	Y		Federal emissions:	None	N	None			
	9-10-303			Refinery-wide emissions:						
				0.20 lb NOx/MMBTU						

Table VII – A.20 Applicable Limits and Compliance Monitoring Requirements S22 – UNIT 248, B-606 HEATER

Limit of Limit Y/N Date Limit Citation (P/C/N)	
Limit of Limit Y/N Date Limit Citation (P/C/N)	
	Monitoring
Hartimet BAAOMD V 744 MMH-/-lan BAAOMD B/D	Type
Heat input BAAQMD Y 744 MMbtu/day BAAQMD P/D	records
Condition Condition	
1694, Part 1694, Part	
A.1 A.5	
O2 N 1/1/05 for No limit BAAQMD C	O2 Monitor
monitor- 9-10-502.1	
ing only	
BAAQMD	
Condition	
21235, Part 2	
CO BAAQMD N 1/1/05 for 400 ppmv (dry, 3% O ₂) BAAQMD P/SA	source test
9-10-305 monitor 9-10-502.1	
ing only	
BAAQMD	
Condition	
21235, Part 7	
Opacity BAAQMD Y Ringelmann 1 for no more None for 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 of 1,558 lb/day SO2 over any BAAQMD P/3 times	TRS
Condition S36, month (1,611 lb/day after Condition per day	analysis
1694, Part S461 for startup of S36 and S461) 1694, Part	ĺ
A.4 modified A.3a	
limit	
Fuel Flow Y No limit BAAQMD C	Fuel
	Flowmeter

Facility Name: Phillips 66 Company – San Francisco Refinery
Permit for Facility #: A0016

VII. Applicable Limits and Compliance Monitoring Requirements

$\begin{array}{c} \textbf{Table VII-A.20} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S22-Unit 248, B-606 Heater} \end{array}$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		2.6 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S29 – UNIT 200, B-5 HEATER

			<u> </u>	– UNII 200, D- 5 HEA	IEK		
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		2,472 MMbtu/hr	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		

Table VII – A.21
Applicable Limits and Compliance Monitoring Requirements
S29 – UNIT 200, B-5 HEATER

527 - UNII 200, D-3 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		S461 for	startup of S36 and S461)	1694, Part						
	A.4		modified		A.3a						
			limit								
Fuel Flow		Y		No limit	BAAQMD	C	Fuel				
					9-10-502.2		Flowmeter				
throughput	BAAQMD	Y		8.6 E 6 therm/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

Table VII – A.22
Applicable Limits and Compliance Monitoring Requirements
\$30 - Unit 200, B-101 Heater

	S30 – UNIT 200, B-101 HEATER												
			Future		Monitoring	Monitoring							
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring						
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test						
	9-10-301		monitor	0.033 lb NOx/ MMBTU	9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 7								
NOx	BAAQMD	Y		Federal emissions:	None	N	None						
	9-10-303			Refinery-wide emissions:									
				0.20 lb NOx/MMBTU									
Heat input	BAAQMD	Y		1,200 MMbtu/hr	BAAQMD	P/D	records						
	Condition				Condition								
	1694, Part				1694, Part								
	A.1				A.5								
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor						
			monitor-		9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 7								
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test						
	9-10-305		monitor-		9-10-502.1								
			ing only										
					BAAQMD								
					Condition								
					21235, Part 7								
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None						
	6-301			than 3 minutes in any hour	gaseous-								
					fueled								
					sources								
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None						
	6-305												

Table VII – A.22 Applicable Limits and Compliance Monitoring Requirements S30 – UNIT 200, B-101 HEATER

	530 – UNII 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				
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous-						
					fueled						
					sources						
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		S461 for	startup of S36 and S461)	1694, Part						
	A.4		modified		A.3a						
			limit								
Fuel Flow		Y		No limit	BAAQMD	C	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
S31 – UNIT 200, B-501 HEATER

			501	C1011 200, B 201 11E			
			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	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			

 $\begin{array}{c} \textbf{Table VII-A.23} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S31-Unit 200, B-501 Heater} \end{array}$

			551	- CNII 200, B-301 IIE			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Heat input	BAAQMD	Y		480 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Facility Name: Phillips 66 Company – San Francisco Refinery
Permit for Facility #: A0016

VII. Applicable Limits and Compliance Monitoring Requirements

 $\begin{array}{c} \textbf{Table VII-A.23} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S31-Unit 200, B-501 Heater} \end{array}$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		1.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\begin{array}{c} Table~VII-A.24\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S36-Unit~200,~B-102~Heater \end{array}$

550 - CIVI 200, B-102 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
NOx		Y	startup	CEM for NOx and O2 (or	BAAQMD	С	CEM			
				CO2)	1-520.8					
NOx	BAAQMD	Y	after	10 ppmv NOx at 3% O2 (3	BAAQMD	С	CEM			
	Condition		initial	hour average), except	Condition					
	21097,		performa	startups and shutdowns	21097, Part					
	Part 3b		nce test		5a					
All	BAAQMD	Y	Startup	heat ratings, firing limits	BAAQMD	С	continuous			
combustion	Condition				Condition		fuel flow			
emissions	21097,				21097, Part 4		monitor			
	Part 2									
O2		Y	startup	No limit	BAAQMD	C	O2 Monitor			
					Condition					
					21097, Part					
					5a					
СО	BAAQMD	Y	after	28 ppmv CO at 3% O2 (8	BAAQMD	P/SA	source test			
	Condition		initial	hour average), except	Condition					
	21097,		perfor-	startups and shutdowns	21097, Part					
	Part 3b		mance		5b					
			test							

 $\begin{array}{c} Table~VII-A.24\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S36-Unit~200,~B-102~Heater \end{array}$

	550 – UNII 200, B-102 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
POC	BAAQMD	Y	after	5.5 lb POC per MM ft3 of	BAAQMD	E/startup	source test					
	Condition		initial	fuel	Condition							
	21097,		perfor-		21097, Part 8							
	Part 3b		mance									
			test									
PM10	BAAQMD	Y	after	7.6 lb PM10 per MM ft3 of	BAAQMD	E/startup	source test					
	Condition		initial	fuel	Condition							
	21097,		perfor-		21097, Part 8							
	Part 3b		mance									
			test									
ammonia	BAAQMD	N	after	10 ppmv amonia at 3% O2	BAAQMD	E/startup	source test					
	Condition		initial	(8 hour average), except	Condition							
	21097,		perfor-	startups and shutdowns	21097, Part 8							
	Part 3b		mance									
			test									
Opacity	BAAQMD	Y	startup	Ringelmann 1 for no more	None for	N	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y	startup	Prohibition of nuisance	None for	N	None					
	6-305				gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y	startup	0.15 grain/dscf @ 6% O2	None for	N	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y	startup	1,611 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month	Condition	per day	analysis					
	1694, Part				1694, Part							
	A.4				A.3a							

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
S36 – UNIT 200, B-102 HEATER

	530 – UNII 200, B-102 HEATER									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
TRS	BAAQMD	Y	startup	100 ppmv TRS (1 day	BAAQMD	С	TRS			
	Condition			average), 45 ppmv TRS	Condition		analysis			
	21097,			(annual average)	21097, Part					
	Part 6				7a, 7b					
H2S	40 CFR 60	Y	startup	fuel gas H2S concentration	40 CFR 60	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						

 $\begin{array}{c} Table~VII-A.25\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S43-Unit~200,~B-202~Heater \end{array}$

	545 – UNII 200, D-202 HEATER											
Tour	Citation	FE	Future Effective		Monitoring	Monitoring	Manitanina					
Type of	Citation	FL	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
NOx		Y	1/1/05 for	CEM for NOx and O2 (or	BAAQMD	С	CEM					
			monitor-	CO2)	1-520.8							
			ing only									
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM					
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1							
			ing only									
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMBTU								

Table VII – A.25 Applicable Limits and Compliance Monitoring Requirements S43 – UNIT 200, B-202 HEATER

S43 – UNIT 200, B-202 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	Y		40 ppmv NOx at 3% O2	BAAQMD	С	NOx, O2				
	Condition			over any 8 hours, except	Condition		CEM				
	1694, Part			startups and shutdowns, at	1694, Part						
	D.2			S43, S44	D.4						
Heat input	BAAQMD	Y		5,520 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1				A.5						
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
O2		Y		No limit	BAAQMD	C	O2 Monitor				
					Condition						
					1694, Part						
					D.4						
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 8						
CO	BAAQMD	N	1/1/05 for	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test				
	Condition		monitor	any month, except startups	9-10-502.1						
	1694, Part		ing only	and shutdowns, at S43, S44							
	D.3				BAAQMD						
					Condition						
					21235, Part 8						

Table VII – A.25 Applicable Limits and Compliance Monitoring Requirements S43 – UNIT 200, B-202 HEATER

	S43 – UNIT 200, B-202 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis					
	1694, Part		S461 for	startup of S36 and S461)	1694, Part							
	A.4		modified		A.3a							
			limit									
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								

 $\begin{array}{c} Table~VII-A.25\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S43-Unit~200,~B-202~Heater \end{array}$

				,			
			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		19.1 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.26 Applicable Limits and Compliance Monitoring Requirements S44 – UNIT 200, B-201 HEATER

			544 -	– UNIT 200, B-201 HE	AIEK		
			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	1/1/05 for	CEM for NOx and O2 (or	BAAQMD	С	CEM
			monitor-	CO2)	1-520.8		
			ing only				
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			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	С	CEM
	Condition			over any 8 hours, except	Condition		
	1694, Part			startups and shutdowns, at	1694, Part		
	D.2			S43, S44	D.4		
Heat input	BAAQMD	Y		1,104 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		

Table VII – A.26 Applicable Limits and Compliance Monitoring Requirements S44 – UNIT 200, B-201 HEATER

	1		י דדט	– UNIT 200, B-201 HE	AILK	1	
			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	1/1/05 for	No limit	BAAQMD	C	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					1694, Part		
					D.4		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 8		
CO	BAAQMD	Y	1/1/05 for	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition		monitor-	any month, except startups	9-10-502.1		
	1694, Part		ing only	and shutdowns, at S43, S44			
	D.3				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		

 $\begin{array}{c} \textbf{Table VII-A.26} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S44-Unit 200, B-201 Heater} \end{array}$

			Future	,	Monitoring	Monitoring	
Т	Citatian	FE	Effective		Requirement	J	Manitanina
Type of	Citation				-	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	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		3.8 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.27 Applicable Limits and Compliance Monitoring Requirements S50, S51, S52 – TURBINE STARTUP ENGINES

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. 2 for no	None	N	N/A
	6-303.1			more than 3 minutes in any			
				hour			

Table VII – A.27
Applicable Limits and Compliance Monitoring Requirements S50, S51, S52 – TURBINE STARTUP ENGINES

			0, 551, 5	552 TORDINE START			
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	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 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.28 Applicable Limits and Compliance Monitoring Requirements S53, S54, S55, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

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

Table VII – A.28
Applicable Limits and Compliance Monitoring Requirements
S53, S54, S55, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

			Future	,	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Hours of	BAAQMD	N		up to 100 hour/yr (non-	BAAQMD	C	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.29
Applicable Limits and Compliance Monitoring Requirements
S336 – UNIT 231, B-104 HEATER

			5000	01/11 201, D 10 1111			
Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
							Турс
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMBTU			
Heat input	BAAQMD	Y		2,664 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S336 – UNIT 231, B-104 HEATER

			Future	CIVII 231, B 104 III	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S336 – UNIT 231, B-104 HEATER

			5550	– UNII 231, D-1 04 П E	AILK		
			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.30 Applicable Limits and Compliance Monitoring Requirements S337 – UNIT 231, B-105 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 7		

Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S337 – UNIT 231, B-105 HEATER

				– UNII 231, D-1 05 ПР			
			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			
Heat input	BAAQMD	Y		816 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor	11 (),	9-10-502.1		
			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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part	, ,	
	A.4		modified	,	A.3a		
			limit				

 $\begin{array}{c} \textbf{Table VII-A.30} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S337-UNIT 231, B-105 HEATER} \end{array}$

			5557	- CNII 231, B-103 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	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.31
Applicable Limits and Compliance Monitoring Requirements S351 – UNIT 267, B-601/602 HEATERS

Tr e	C'4-4'	INIA	Future		Monitoring	Monitoring	No. 14
Type of	Citation	FE	Effective	T,	Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y	1/1/05 for	CEM for NOx and O2 (or	BAAQMD	C	CEM
			monitor-	CO2)	1-520.8		
			ing only				
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1		
			ing only				

Table VII – A.31 Applicable Limits and Compliance Monitoring Requirements S351 – 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	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			S351	B.3		
Heat input	BAAQMD	Y		2,424 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
O2		N	1/1/05 for	No limit	BAAQMD	С	O2 Monitor
			monitor-		9-10-502.1		
			ing only				
			0 ,		BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					1694, Part		
					B.3		
СО	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305		monitor-	(m), 0, 0 (2)	9-10-502.1	2,222	
			ing only				
			8		BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
- r	6-301	-		than 3 minutes in any hour	gaseous-		
	0 501			5 mmaves in any nour	fueled		
					sources		
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
11	6-305	1		1 Tomordon of nuisance	TABLE	1.4	TAULE

Table VII – A.31 Applicable Limits and Compliance Monitoring Requirements S351 – 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
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
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		8.4 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S371 – UNIT 228, B-520 FURNACE

S371 – UNIT 228, B-520 FURNACE											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	C	CEM				
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1						
			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	None	C	CEM				
	Condition			over any 3 hours, except							
	1694, Part			startups and shutdowns							
	C.2										
Heat input	BAAQMD	Y		1,392 MMbtu/day averaged	BAAQMD	P/D	records				
	Condition			over any day at S371 and	Condition						
	1694, Part			S372	1694, Part						
	A.1				A.5						
O2		N	1/1/05 for	No limit	BAAQMD	C	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 8						
CO	BAAQMD	Y	1/1/05 for	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test				
	Condition		monitor-	any 3 hours, except startups	9-10-502.1						
	1694, Part		ing only	and shutdowns							
	C.3				BAAQMD						
					Condition						
					21235, Part 8						

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S371 – UNIT 228, B-520 FURNACE

				– UNII 220, D-320 FUI			
			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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
	1694, Part		S461 for	startup of S36 and S461)	1694, Part		
	A.4		modified		A.3a		
			limit				
H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J,		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		4.8 E 6 therm/yr for S371	BAAQMD	P/M	records
	Condition			and S372 combined	Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S372 – UNIT 228, B-521 FURNACE

S372 – UNIT 228, B-521 FURNACE											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N	1/1/05 for	Refinery-wide emissions:	BAAQMD	С	CEM				
	9-10-301		monitor-	0.033 lb NOx/ MMBTU	9-10-502.1						
			ing only								
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	None	С	NOx, O2				
	Condition			over any 3 hours, except			CEM				
	1694, Part			startups and shutdowns							
	C.2										
Heat input	BAAQMD	Y		1,392 MMbtu/day averaged	BAAQMD	P/D	records				
	Condition			over any day at S371 and	Condition						
	1694, Part			S372	1694, Part						
	A.1				A.5						
O2		N	1/1/05 for	No limit	BAAQMD	C	O2 Monitor				
			monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	N	1/1/05 for	400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305		monitor-		9-10-502.1						
			ing only								
					BAAQMD						
					Condition						
					21235, Part 8						
CO	BAAQMD	Y	1/1/05 for	50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test				
	Condition		monitor	any 3 hours, except startups	9-10-502.1						
	1694, Part		ing only	and shutdowns							
	C.3				BAAQMD						
					Condition						
					21235, Part 8						

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S372 – UNIT 228, B-521 FURNACE

Type of Limit FE Date Limit Limit Citation Frequency Monitoring Type					– UNII 220, D-321 FUI			
Limit Of Limit V/N Date Limit Citation (P/C/N) Type				Future		Monitoring	Monitoring	
Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour fueled sources FP BAAQMD Y Prohibition of nuisance None N None 6-305 FP BAAQMD Y O.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition 1694, Part A.4 Subpart J O.1694, Part M.4 Subpart J O.1694, Part Part Part Part Part Part Part Part				Effective		-		_
FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y O.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition 1694, Part A.4 Subpart J 60.104(a) (1) H2S 40 CFR 60 Subpart J 60.104(a) (1) FP SAAQMD Y Startup of Subpart J 60.104(a) (1) FO SUBPART SUBP	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gaseous-fueled sources SO2 BAAQMD Y Startup of Condition 1694, Part A.4 Subpart J 60.104(a) (1) H2S 40 CFR 60 Y Subpart J 60.104(a) (1) FP BAAQMD A STARTUP of Subpart J 60.104(a) (1) FP BAAQMD Y Startup of Same startup o	Opacity	BAAQMD	Y		Ringelmann 1 for no more	None for	N	None
FP BAAQMD Y Prohibition of nuisance None N None FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gascousfueled sources SO2 BAAQMD Y Startup of Condition 1694, Part A.4 modified limit H2S 40 CFR 60 Y Subpart J 60.104(a) (1) GO104(a) (1) FP BAAQMD Y Startup of S36 and S461) Subpart J 60.104(a) (1) FO Subpart J 60.105(a)(4)		6-301			than 3 minutes in any hour	gaseous-		
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 None for gascousfueled sources SO2 BAAQMD Y Startup of Condition 1694, Part A.4 modified limit H2S 40 CFR 60 Y Subpart J 60.104(a) (1) Following a figure of the following and the figure 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						fueled		
FP BAAQMD Y 6-310.3 SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit H2S 40 CFR 60 Y Subpart J 60.104(a) (1) (1) Full gas H2S concentration limited to 230 mg/dscm of the flares from relief valve leaks or other emergency malfunctions; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas						sources		
FP BAAQMD Y 6-310.3 SO2 BAAQMD Y Startup of Condition 1694, Part A.4 H2S 40 CFR 60 Subpart J 60.104(a) (1) (1) FY Subpart J 60.104(a) (1) Condition 1694, Part A.4 Subpart J 60.104(a) (1) Full gas H2S concentration limited to 230 mg/dscm 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	FP	BAAQMD	Y		Prohibition of nuisance	None	N	None
SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit H2S 40 CFR 60 Y Subpart J 60.104(a) (1) (1) Five lead sources BAAQMD P/3 times Condition per day analysis Five leads and S461) Five leads H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for 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		6-305						
SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit H2S 40 CFR 60 Subpart J 60.104(a) (1) (1) (1) (1) (1) (1) (1) (1)	FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None
SO2 BAAQMD Y startup of Condition 1694, Part A.4 modified limit Subpart J 60.104(a) (1) Subpart J 60.104(a) (1) Forcess 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		6-310.3				gaseous-		
SO2 BAAQMD Condition 1694, Part A.4 H2S 40 CFR 60 Subpart J 60.104(a) (1) (1) Solution (1) (1) Solution (1) (1) Solution (fueled		
Condition 1694, Part A.4 H2S 40 CFR 60 Subpart J 60.104(a) (1) (1) Subart J 60.104(a) (1) Subart J 60.105(a)(4)						sources		
H2S 40 CFR 60 Y Subpart J Go.104(a) (1) Subrocess 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	SO2	BAAQMD	Y	startup of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS
H2S 40 CFR 60 Y Subpart J Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for 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		Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis
H2S 40 CFR 60 Y fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for 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		1694, Part		S461 for	startup of S36 and S461)	1694, Part		
H2S 40 CFR 60 Y Subpart J 60.104(a) (1) fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for 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		A.4		modified		A.3a		
Subpart J 60.104(a) (1) Subpart J 60.105(a)(4) Subpart J 60.105(a)(4) (1) Subpart J 60.105(a)(4) 60.105(a)(4) analyzer 60.105(a)(4) analyzer 60.105(a)(4)				limit				
(0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas	H2S	40 CFR 60	Y		fuel gas H2S concentration	40 CFR 60	С	H2S
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		Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
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		60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
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		(1)			burned as a result of			
leaks or other emergency malfunctions; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas					process upset or gas burned			
malfunctions; this requirement applies to sources installed/modified after 6/11/73 and burning refinery gas					at flares from relief valve			
requirement applies to sources installed/modified after 6/11/73 and burning refinery gas					leaks or other emergency			
sources installed/modified after 6/11/73 and burning refinery gas					malfunctions; this			
after 6/11/73 and burning refinery gas					requirement applies to			
refinery gas					sources installed/modified			
					after 6/11/73 and burning			
First Flow V No limit DAAOMD C Fig.					refinery gas			
ruel riow	Fuel Flow		Y		No limit	BAAQMD	С	Fuel
9-10-502.2 Flowmeter						9-10-502.2		Flowmeter
throughput BAAQMD Y 4.8 E 6 therm/yr for S371 BAAQMD P/M records	throughput	BAAQMD	Y		4.8 E 6 therm/yr for S371	BAAQMD	P/M	records
Condition and S372 combined Condition		Condition			and S372 combined	Condition		
20989, Part A		20989,				20989, Part A		
Part A		Part A						

 $\begin{array}{c} Table~VII-A.34\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S438-UNIT~110,~H-1~FURNACE \end{array}$

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2	None	C	CEM
	Condition			over any 3 hours, except			
	1694, Part			startups and shutdowns, at			
	E.4			S438			
Heat input	BAAQMD	Y		5,040 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1				A.5		
Heat input	BAAQMD	Y		2.04 E 12 BTU/yr fuel	BAAQMD	P/D	records
	Condition			combustion at S438	Condition		
	1694, Part				1694, Part		
	E.2				E.6		
O2		Y		No limit	None	С	O2 Monitor
CO	BAAQMD	Y		32 ppmv CO at 3% O2 over	None	N	None
	Condition			any 24 hr, except startups			
	1694, Part			and shutdowns, at S438			
	E.4						
TRS	BAAQMD	Y		1 ppmw TRS in PSA offgas	Overall fuel	P/D	records
	Condition			used as fuel, at S438	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 S438	Condition	per day	analysis
	1694, Part				1694, Part		
	E.5				E.5		

Table VII – A.34
Applicable Limits and Compliance Monitoring Requirements
S438 – Unit 110. H-1 Furnace

	S438 – UNIT 110, H-1 FURNACE										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	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 of	1,558 lb/day SO2 over any	BAAQMD	P/3 times	TRS				
	Condition		S36,	month (1,611 lb/day after	Condition	per day	analysis				
	1694, Part		S461 for	startup of S36 and S461)	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
S461 – UNIT 250, B-701 HEATER

		S461 – UNIT 250, B-701 HEATER											
			Future		Monitoring	Monitoring							
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring						
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
NOx		Y	startup	CEM for NOx and O2 (or	BAAQMD	С	CEM						
				CO2)	1-520.8								
NOx	BAAQMD	Y	after	10 ppmv NOx at 3% O2 (3	BAAQMD	С	CEM						
	Condition		initial	hour average), except	Condition								
	21096,		perfor-	startups and shutdowns	21096, Part								
	Part 3b		mance		5a								
			test										
All	BAAQMD	Y	startup	heat ratings, firing limits	BAAQMD	С	continuous						
combustion	Condition			(see condition)	Condition		fuel flow						
emissions	21096,				21096, Part 4		monitor						
	Part 2				-								
O2		Y	startup	No limit	BAAQMD	С	O2 Monitor						
			1		Condition								
					21096, Part								
					5a								
СО	BAAQMD	Y	after	28 ppmv CO at 3% O2 (8	BAAQMD	P/SA	source test						
	Condition		initial	hour average) when fired	Condition								
	21096,		perfor_	50% capacity or more and	21096, Part								
	Part 3b		mance	50 ppmv CO at 3% O2 (8	5b								
			test	hour average) when fired									
				less than 50% capacity,									
				except startups and									
				shutdowns									
POC	BAAQMD	Y	after	5.5 lb POC per MM ft3 of	BAAQMD	E/startup	source test						
	Condition		initial	fuel	Condition	_,r							
	21096,		perfor_		21096, Part 8								
	Part 3b		mance		21050,1410								
	1 417 50		test										
PM10	BAAQMD	Y	after	7.6 lb PM10 per MM ft3 of	BAAQMD	E/startup	source test						
	Condition		initial	fuel	Condition								
	21096,		perfor <u>-</u>	1001	21096, Part 8								
	Part 3b		mance										
	1 411 50		test										
	II		icsi		l .		1	l					

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S461 – UNIT 250, B-701 HEATER

	5401 – UNII 250, 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	BAAQMD	N	after	10 ppmv amonia at 3% O2	BAAQMD	E/startup	source test					
	Condition		initial	(8 hour average), except	Condition							
	21096,		perfor-	startups and shutdowns	21096, Part 8							
	Part 3b		mance									
			test									
Opacity	BAAQMD	Y	startup	Ringelmann 1 for no more	None for	N	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y	startup	Prohibition of nuisance	None for	N	None					
	6-305				gaseous-							
					fueled							
					sources							
FP	BAAQMD	Y	startup	0.15 grain/dscf @ 6% O2	None for	N	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y	startup	1,611 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month	Condition	per day	analysis					
	1694, Part				1694, Part							
	A.4				A.3a							
TRS	BAAQMD	Y	startup	100 ppmv TRS (1 day	BAAQMD	C	TRS					
	Condition			average), 45 ppmv TRS	Condition		analysis					
	21096,			(annual average)	21096, Part							
	Part 6				7a, 7b							

Table VII – A.35
Applicable Limits and Compliance Monitoring Requirements
S461 – UNIT 250, B-701 HEATER

5401 - CM1 250, B-701 HEATEK							
			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	startup	fuel gas H2S concentration	40 CFR 60	С	H2S
	Subpart J			limited to 230 mg/dscm	Subpart J		analyzer
	60.104(a)			(0.10 gr/dscf) except for gas	60.105(a)(4)		
	(1)			burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			

Table VII – B

Applicable Limits and Compliance Monitoring Requirements
S400 WET WEATHER WASTEWATER SUMP
S401 DRY WEATHER WASTEWATER SUMP

				WEATHER WASIEWA			
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	BAAQMD	P/M	records
	Condition			S400, S401	Condition		
	20989,				20989, Part A		
	Part A						

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S324 API OIL/WASTEWATER SEPARATOR

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.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
S324 API OIL/WASTEWATER SEPARATOR

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

Revision dated:

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
\$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
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						

Revision dated:

Table VII - E Applicable Limits and Compliance Monitoring Requirements S381 AERATION TANK F-201 S382 AERATION TANK F-202 S383 CLARIFIER F-203 S384 CLARIFIER F-204

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.c						
Through-	BAAQMD	Y		3.68 E 9 gal/yr each for	BAAQMD	P/M	records
put	Condition			S381, S382, S383, S384	Condition		
	20989, Part				20989, Part A		
	A						

Table VII - F Applicable Limits and Compliance Monitoring Requirements S1008 PRIMARY STORMWATER BASIN S1009 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	BAAQMD	P/M	records
put	Condition			S1008, S1009	Condition		
	20989, Part				20989, Part A		
	A						

Table VII - G

Applicable Limits and Compliance Monitoring Requirements
\$385 - Wastewater Effluent Media Filter F-207
\$386 - PAC REGENERATION SLUDGE THICKENER F-211
\$387 - Wet Air Regeneration System P-202
\$390 - Thickened Sludge Storage F-106

S392 – REGENERATED PAC SLURRY STORAGE F-266

Type of Limit	Citation of Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Lillit	Lillit	Y/N	Date	Limit	Citation	(P/C/N)	Type
		1/11	Date	Limit	Citation	(1/C/N)	Турс
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/SA	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 5		
	4.c						
Through-	BAAQMD	Y		S385: 3.68 E 9 gal/yr	BAAQMD	P/M	records
put	Condition			S386: 3.2 E 7 gal/yr,	Condition		
	20989, Part			S387: 7.884 E 6 gal/yr	20989, Part A		
	A			S390: 7.884 E 6 gal/yr			
				S392: 7.884 E 6 gal/yr			

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
WASTEWATER JUNCTION BOXES

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

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	NSPS	Y		No visible gaps or cracks in	NSPS	P/SA	Visual
	Subpart			joints or seals, or other	Subpart		inspections
	QQQ, 40			problems that could result	QQQ, 40		
	CFR			in VOC emissions	CFR 60.692-		
	60.692-				2(c)(2)		
	2(c)(1)						

Table VII – J

Applicable Limits and Compliance Monitoring Requirements

WASTEWATER GAUGING AND SAMPLING DEVICES

Туре	f Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limi	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarbon
					8-8-603		detector

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S294 – NON-RETAIL GASOLINE DISPENSING FACILITY

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	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	TAIL GASOLITE DI	Monitoring	Monitoring	
ТС	G'4-4'	1010			_	_	D. C
Type of	Citation of	FE	Effective	- A. A.	Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
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						
Through-	BAAQMD	N		400,000 gal/yr	BAAQMD	P/A	Records
put	Condition				Regulation		
	7523				8-7-503		
					BAAQMD	P/M	Records
					Condition		
					20989, Part A		
Through-	BAAQMD	Y		20 gpm	None	N	None
put	Condition						
	20989, Part						
	A						

Table VII - L Applicable Limits and Compliance Monitoring Requirements \$296 - C-1 Flare \$398 - MP-30 Flare

[Flares which are visually inspected upon release, with no remote viewing system]

[Flare	[Flares which are visually inspected upon release, with no remote viewing system]										
			Future		Monitoring	Monitoring					
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring				
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	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 4						
FP	BAAQMD	Y		Prohibition of nuisance	None	N	None				
	6-305										
FP	BAAQMD	Y	12/1/04	No emissions from source >	BAAQMD	P/E	Visual				
	Regulation			0.15 grains per dscf of gas	Condition		Inspection				
	6-310			volume	18255, Part 4						
SO2	60.104(a)	Y		Flares are \$398 is exempt	None	N	None				
	(1)			since they are used only for							
				upset gases per restriction							
				in Condition 18255, Part 7:							
				Standard does not apply to							
				S296							
POC	<u>8 1 110.3</u>	¥		At least 90% destruction of	None None	<u>N</u>	None None				
				<u>organies</u>							
All		N			BAAQMD	P/C	Flow Rate				
					Regulation						
					12-11-501 &						
					12-11-505						
All		N			BAAQMD	P/E	Composition				
					Regulation						
					12-11-502.1 &						
					12-11-505		~				
All		N			BAAQMD	P/E	Composition				
					Regulation						
					12-11-502.3 &						
4 11		2.7			12-11-505	D/C	DI.				
All		N			BAAQMD	P/C	Flame				
					Regulation		Detector				
					12-11-503 &						
A 11		N			12-11-505	D/C	D C				
All		N			BAAQMD	P/C	Purge Gas				
					Regulation 12-11-504 &		Flow Rate				
					12-11-505						

404 Revision dated:

Table VII - L Applicable Limits and Compliance Monitoring Requirements \$296 - C-1 Flare \$398 - MP-30 Flare

[Flares which are visually inspected upon release, with no remote viewing system]

			Future	pecteu upon rereuse,	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
All		N			BAAQMD	P/C	1 frame per
					Regulation 12-		minute
					11-507		image video
							recording
All		N			BAAQMD	P/C	1 frame per
					Regulation 12-		minute
					11-507		image video
							recording
Through-	BAAQMD	¥	12/1/04	1.69 E 6 lb/hr of vent gas at	BAAQMD	P/E	records
put	Condition			each flare	Condition		
	18255, Part				18255, Part 2		
	1				,		

$\begin{tabular}{ll} Table\ VII-M \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S300-U-200\ DELAYED\ COKER \\ \end{tabular}$

				C 200 BEERITED CO	_		
			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	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			
Through-	BAAQMD	Y		81,000 bbl/day	BAAQMD	P/D	records
put	Condition				Condition		
	21092, Part				21092, Part 2		
	1						

Table VII - N

Applicable Limits and Compliance Monitoring Requirements
\$304 - U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha
Hydrotreater when modified in accordance with A/C 5814);
\$305 - U-230 Prefractionator / Naphtha Hydrotreater;
\$306 - U-231 Platforming Unit; \$307 - U-240 Unicracking Unit;
\$308 - U-244 Reforming Unit; \$309 - U-248 Unisar Unit;
\$318 - U-76 Gasoline / Mid-Barrel Blending Unit;
\$319 - U-215 Gasoline Fractionating Unit;
\$322 - U-40 Raw materials Receiving; \$435 - Reformate Splitter;

S322 – U-40 RAW MATERIALS RECEIVING; S435 – REFORMATE SPLITTEI S436 – DEISOPENTANIZER; S437 – HYDROGEN PLANT S460 – U-250 ULSD HYDROTREATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			
VOC	BAAQMD	Y		emission streams with 15	BAAQMD	P/D	visual
(S307	Condition			lb/day AND 300 ppm total	Condition		inspection
only)	6671, Part			carbon on a dry basis	6671, Part 4		
	2 and			prohibited			
	8-2-301				BAAQMD	P/A	source test
					Condition		
					6671, Part 6		
throughput	BAAQMD	Y	when	12,198 bbl/day (monthly	BAAQMD	P/D	records
(S304	Condition		modified	average)	Condition		
only)	21095,		in		21095, Part 2		
	Part 1		accordan				
			ce with				
			A/C 5814				
throughput	BAAQMD	Y	startup	35,000 bbl/day (monthly	BAAQMD	P/D	records
(S460	Condition			average)	Condition		
only)	21094,				21094, Part 2		
	Part 1						

Table VII - N

Applicable Limits and Compliance Monitoring Requirements
\$304 - U-229 Mid-Barrel Unionfining Unit (U-229 Light Naphtha
Hydrotreater when modified in accordance with A/C 5814);
\$305 - U-230 Prefractionator / Naphtha Hydrotreater;
\$306 - U-231 Platforming Unit; \$307 - U-240 Unicracking Unit;
\$308 - U-244 Reforming Unit; \$309 - U-248 Unisar Unit;
\$318 - U-76 Gasoline / Mid-Barrel Blending Unit;
\$319 - U-215 Gasoline Fractionating Unit;
\$322 - U-40 Raw materials Receiving; \$435 - Reformate Splitter;
\$436 - Deisopentanizer; \$437 - Hydrogen Plant

S460 – U-250 ULSD HYDROTREATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
throughput	BAAQMD	Y		S304: 3.47 E 6 bbl/yr (only	BAAQMD	P/M	records
	Condition			until modified in	Condition		
	20989,			accordance with A/C 5814)	20989, Part A		
	Part A			S305: 9.23 E 6 bbl/yr			
				S306: 5.66 E 6 bbl/yr			
				S307: 1.39 E 7 bbl/yr			
				S435: 6.6 E 6 bbl/yr			
				S436: 4.7 E 6 bbl/yr			
				S437: 9.1 E 9 ft3/yr			
throughput	BAAQMD	N		S308: 5.11 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S309: 6.6 E 8 bbl/yr	Condition		
	20989,			S318: 3.3 E 7 bbl/yr	20989, Part A		
	Part A			S319: 3.51 E 6 bbl/yr			

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S350 – U-267 CRUDE DISTILLATION UNIT

	SSSU - 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)	Туре			
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records			
	8-10-301			from process vessel	(SIP) and 8-					
				depressurization is required	10-501 & 502					
				until pressure is reduced to	(non-SIP)					
				less than 1000 mm Hg						
SO2	BAAQMD	Y		crude oil sulfur content	BAAQMD	P/E	analysis			
	Condition			limit (1.5 weight%)	Condition					
	383, Part 1a			(only until modified in	383, Part 1b					
				accordance with A/C 5814)						
Through-	BAAQMD	Y		33,000 bbl/day, 30,000	BAAQMD	P/M	records			
put	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
S432 – U-215 DEISOBUTANIZER

			5 102	C ZIE DEBODETHI			
			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	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			
throughput	BAAQMD	Y		2.8 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD	Y	2400	9 ppmv (note 1)	BAAQMD 9-9-	C	CEM
	9-9-301.3			@15% O ₂ (dry)	501, Condition		
					12122, Part 9b		
NOx	NSPS	Y		110 ppmv	BAAQMD 9-9-	С	CEM
	40 CFR 60			@15% O ₂ (dry)	501, Condition		
	Subpart				12122, Part 9b		
	GG, 60.332						
	(a)(2)						
NOx	BAAQMD	Y		66 lb/hr and 167	BAAQMD	C	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9b		
	9a			turbine/duct burner set			
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	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	С	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						
CO	BAAQMD	Y		200 ton/yr	BAAQMD	С	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	10a						
POC	BAAQMD	Y		6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						

Table VII – Q.1 Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Type of C	C'4 - 4 · C				Monitoring	Monitoring	
	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC E	BAAQMD	Y		8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
(Condition				Condition		
1	12122, Part				12122, Part 14		
	11						
Opacity E	BAAQMD	Y		Ringelmann No. 1 for	None for	N	None
	6-301			no more than 3 minutes/hour	gaseous-fueled sources		
FP E	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled		
	0.1.1.03.00			0.45	sources	2.7	27
FP E	BAAQMD	Y		0.15 grain/dscf	None for	N	None
	6-310				gaseous-fueled		
					sources		
_	BAAQMD	Y		466 MM BTU/hr at	BAAQMD	P/M	records
	Condition			each turbine/duct	Condition		
1	18629, Part			burner set	18629, Part		
	IX.D.2				IX.D.4		
Through-	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
put (Condition			total	Condition		
1	18629, Part				18629, Part		
	IX.D.3				IX.D.4		
SO2 4	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 E	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
1	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

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - 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

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

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

Revision dated:

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

	C11 1		Future		Monitoring	Monitoring	
V -	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)			
СО	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part 10b		
	7						
СО	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

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		6 ppmv @ 15% O2	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	8						
POC	BAAQMD	Y		8.3 lb/hr, 30.5 ton/yr	BAAQMD	P/A	source test
	Condition				Condition		
	12122, Part				12122, Part 14		
	11						
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for no more than 3	None for gaseous-fueled	N	None
	0-301			minutes/hour	sources		
FP	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled sources		
FP	BAAQMD	Y		0.15 grain/dscf	None for	N	None
11	6-310			o.15 gram asor	gaseous-fueled	11	TTOILE
	0 510				sources		
Through-	BAAQMD	Y		2.42 E 12 BTU/yr at	BAAQMD	P/D	records
put	Condition			S355, S356, S357	Condition		
	12122,			(combined)	12122, Part 15		
	Part 6						
Through-	BAAQMD	Y		466 MM BTU/hr at	BAAQMD	P/M	records
put	Condition			each turbine/duct	Condition		
	18629, Part			burner set	18629, Part		
	IX.D.2				IX.D.4		
Through-	BAAQMD	Y		1048 MM BTU/hr	BAAQMD	P/M	records
put	Condition			total	Condition		
	18629, Part				18629, Part		
	IX.D.3				IX.D.4		

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S355 - SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD	Y	Dute	15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
302	,	1			_	C/F	
	Condition			turbine/duct burner set			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

 ${\bf S377-Machine\ Shop\ Cold\ Cleaner}$

S378 – AUTO SHOP COLD CLEANER

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		150 gal/yr of citrus-	BAAQMD	P/M	usage records
	Condition			based solvents, or	Condition		
	16677, Part			equivalent amount as	16677, Part 3a		
	1			allowed in Part 2			

Table VII - S

Applicable Limits and Compliance Monitoring Requirements

S425 – MARINE LOADING BERTH M1

S426 – MARINE LOADING BERTH M2

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		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	С	A-420
	8-44.301.2			weight	Condition		temperature
					4336, Part 1		
POC	BAAQMD	Y		Leak free and gas tight	Equipment	P/Q	inspection with
	8-44-303				leak		portable VOC
					inspections as		monitor
					specified in		
					BAAQMD		
					Regulation 8,		
					Rule 18		
POC	BAAQMD	Y		1300 degrees F	BAAQMD	C	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

\$425 - Marine Loading Berth M1

\$426 - Marine Loading Berth M2

			D-120 - IV.	IARINE LUADING I)EK111 1V12		
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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			
Through-	BAAQMD	Y		2.8 E 6 bbl/yr	BAAQMD	P/M	records
put	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – T

Applicable Limits and Compliance Monitoring Requirements

\$450 - Groundwater Extraction Trenches

			01100	TID WITTER ENTIRE CITY	JI I I I I I I I I I I I I I I I I I I		
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	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

S301 - MOLTEN SULFUR PIT 234

S302 - MOLTEN SULFUR PIT 236

S303 - MOLTEN SULFUR PIT 238

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
(H2S,	BAAQMD	N		95% of H2S in		<u>N</u> P/A	Source Test
ammonia)	9-1-313.2			refinery fuel gas is	NoneBAAQM		
	and SIP	Y		removed and	D Condition		
	9-1-313.2	•		recovered on a	19278		
	7-1-313.2			refinery-wide basis	Part 1		
				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	<u>NY</u>	None
	6-301			no more than 3	gaseous-fueled		<u>Visible</u>
				minutes/hour	sources		<u>emissions</u>
					BAAQMD Condition		inspection
					19278		
					Part 3		
FP	BAAQMD	Y		Prohibition of	None for	N	None
	6-305			nuisance	gaseous-fueled		
					sources		

Table VII - U

Applicable Limits and Compliance Monitoring Requirements

S1001 - SULFUR PLANT UNIT 234

S1002 - SULFUR PLANT UNIT 236

S1003 - SULFUR PLANT UNIT 238

S301 - MOLTEN SULFUR PIT 234

S302 - MOLTEN SULFUR PIT 236

S303 - MOLTEN SULFUR PIT 238

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 grain/dscf	None for gaseous fueled sources	N	None
SO3, H2SO4	BAAQMD 6-330	Y		0.08 grain/dscf exhaust concentration of SO3 and H2SO4, expressed as 100% H2SO4	BAAQMD Condition 19278 Part <u>32</u>	P/A	Source Test
throughput	BAAQMD Condition 20989, Part A	N		89,425 long ton/yr for S1001, 1002, 1003, 301, 302, 303 (98,915 long ton after S1002, 1003 modified in accordance with A/C 5814)	BAAQMD Condition 20989, Part A	P/M	records

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S370 – 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	(SIP) and 8-		
				depressurization is required	10-501 & 502		
				until pressure is reduced to	(non-SIP)		
				less than 1000 mm Hg			

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S370 – ISOMERIZATION UNIT 228

			5570	IDOMERIZATION CIV			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	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
\$380 – ACTIVATED CARBON SILO (P-204)

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. less than	BAAQMD	P/Q	Pressure
	Regulation			1 for more than 3	Condition		Drop
	6-301			minutes/hr	18251, Part 2b		
FP	BAAQMD	Y		Prohibition of nuisance	BAAQMD	P/Q	Pressure
	6-305				Condition		Drop
					18251, Part 2b		
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/Q	Pressure
	Regulation			0.15 grains per dscf of gas	Condition		Drop
	6-310			volume	18251, Part 2b		
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/Q	Pressure
	Regulation			rate specified in rule	Condition		Drop
	6-311				18251, Part 2b		
throughput	BAAQMD	Y		2,628 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII - X
Applicable Limits and Compliance Monitoring Requirements
S389 – DIATOMACEOUS EARTH SILO (F-214)

		-) D 11	TOMACEOUS EARTH S	DIEG (1 211)		
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		Ringelmann No. less than	BAAQMD	P/E	Pressure
	Regulation			1 for more than 3	Condition	(baghouse	Drop
	6-301			minutes/hr	18251, Part 2c	operation)	
FP	BAAQMD	Y		Prohibition of nuisance	BAAQMD	P/E	Pressure
	6-305				Condition	(baghouse	Drop
					18251, Part 2c	operation)	
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure
	Regulation			0.15 grains per dscf of gas	Condition	(baghouse	Drop
	6-310			volume	18251, Part 2c	operation)	
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure
	Regulation			rate specified in rule	Condition	(baghouse	Drop
	6-311				18251, Part 2c	operation)	
throughput	BAAQMD	Y		1,840 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – Y Applicable Limits and Compliance Monitoring Requirements \$462 – U-215 FUEL GAS CAUSTIC TREATMENT SYSTEM \$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
throughput	BAAQMD	Y	startup	S462: 1.533 E 9 ft3/yr	BAAQMD	P/M	records
	Condition			S463: .365,000 bbl/yr	Condition		
	20989,				20989, Part A		
	Part A						

 $\begin{tabular}{ll} Table~VII-AB\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ Components\\ \end{tabular}$

				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	BAAQMD	Y		General equipment leak ≤	BAAQMD	P/Q	Inspection
	8-18-301			100 ppm	8-18-401.2		
POC	BAAQMD	Y		Valve leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	8-18-302				8-18-401.2		
POC	BAAQMD	Y		Pump and compressor leak	BAAQMD	P/Q	Inspection
	8-18-303			≤ 500 ppm	8-18-401.2		
POC	BAAQMD	Y		Connection leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	8-18-304				8-18-401.2e		
POC	BAAQMD	Y		Pressure relief valve leak ≤	BAAQMD	P/Q	Inspection
	8-18-305			500 ppm	8-18-401.2		
POC	BAAQMD	Y		Valve, pressure relief,	BAAQMD	P/quarterly	report
	8-18-306.1			pump or compressor must	8-18-502.4		_
				be repaired within 5 years			
				or at the next scheduled			
				turnaround			
POC	BAAQMD	Y		Awaiting repair	BAAQMD	P/within 24	Inspection
	8-18-306.2			Valves ≤ 0.5%	8-18-401.5	hours	
				Pressure Relief ≤ 1%			
				Pump and Connector < 1%			
POC	BAAQMD	Y		Mass emissions & non-	BAAQMD	P/D	Inspection
	8-18-			repairable equipment	8-18-401.3		
	306.3.2			allowed			
				Valve ≤ 0.1 lb/day &			
				<u>≤</u> 1.0%			
				Pressure Relief ≤ 0.2 lb/day			
				& ≤5%			
				Pump and Connector ≤ 0.2			
				lb/day & ≤ 5%			
POC	BAAQMD	Y		Total valve, pressure relief,	BAAQMD	P/Q	sampling or
	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			

 $\begin{tabular}{ll} Table\ VII-AB \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ COMPONENTS \end{tabular}$

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		Vent Pressure Relief	BAAQMD	P/turn-	None
	8-28-303			Devices to an Abatement	8-28-405	around	
				Device with at least 95% by			
				weight control efficiency or			
				Meet Prevention Measures			
				Procedures			
POC	BAAQMD	Y		PHA within 90 days and	BAAQMD	P/release per	None
	8-28-304			meet Prevention Measures	8-28-405	5 calendar	
				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	¥		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	¥		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	¥		Vapor recovery greater than	None	N	None
	60.692-5			or equal to 95%			
	(b)						
				40 CFR 60; Subpart VV	<u> </u>	<u> </u>	
POC	40 CFR	Y		Pump leak 10,000 ppm	40 CFR	P/M	Measure for
100	60.482-2	1		1 simp reas: 10,000 ppm	60.482-2	1,111	leaks
	(b)(1)				(a)(1)		iouks
POC	40 CFR	Y		Pump leak Indicated by	40 CFR	P/W	Visual
	60.482-2			dripping liquid	60.482-2		Inspection
	(b)(2)			11 0 1" "	(a)(2)		1

422 Revision dated:

 $\begin{tabular}{ll} Table~VII-AB\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ Components\\ \end{tabular}$

Type of Limit				Future	COM ONENTS	Monitoring	Monitoring	
Limit Limit V/N Date Limit Citation (P/C/N) Type	Type of	Citation of	FE	Effective		_	_	Monitoring
POC 40 CFR (60.482-2(e)) Y Designated "No detectable emissions" 500 ppm 40 CFR (60.482-2(e)3) P/A Measure for leaks POC 40 CFR (b) Y Pump leak 10,000 ppm 40 CFR (60.482-8 (a)) P/5 days Visual, audible, olfactory Inspection; Measure for leaks POC 40 CFR (60.482-4(b)) Y Pressure relief valve (gas/vapor) leak 500 ppm within 5 days after a pressure release event 40 CFR (60.482-4(b)) P/E (60.482-4(b)) Measure for leaks within 5 days after a pressure release event POC 40 CFR (60.482-7(b)) Y Valve leak 10,000 ppm (60.482-7(a)) 40 CFR (60.482-7(a)) P/M (60.482-7(a)) Measure for leaks POC 40 CFR (60.482-7(b)) Y Valve leak 10,000 ppm; (60.482-7(c)) 40 CFR (60.482-7(c)) P/Q (60.482-7(c)) Measure for leaks POC 40 CFR (60.482-7(f)) Y Designated "No detectable emissions" 500 ppm (60.482-7) 40 CFR (f)(3) P/A (f)(3) Measure for leaks POC 40 CFR (60.482-8(a)) Y Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection 40 CFR (60.482-8(a)) P/E (60.482-8(a)) Measure for leaks<					Limit	-	_ •	_
POC	POC	40 CFR	Y		Designated "No detectable	40 CFR		
POC		60.482-2(e)			-	60.482-		leaks
Follow F						2(e)(3)		
POC 40 CFR Y Pressure relief valve (gas/vapor) leak 500 ppm within 5 days after a pressure release event 40 CFR 60.482-4(b) Measure for leaks within 5 days after a pressure release event 40 CFR P/E Measure for leaks within 5 days after a pressure release event 40 CFR P/M Measure for foleaks within 5 days after a pressure release event 40 CFR P/M Measure for foleaks 60.482-7(a) P/M Measure for foleaks 60.482-8(a) P/M Measure for foleaks 60.482-8(a) P/M Measure for foleaks 60.482-8(a) P/E Measure for foleaks 60.482-8(a) Measure for foleaks	POC	40 CFR	Y		Pump leak 10,000 ppm	40 CFR	P/5 days	Visual,
POC 40 CFR Y (gas/vapor) leak 500 ppm within 5 days after a pressure release event POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-7(b) POC 40 CFR Y (valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y (valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y (valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-7(c) leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-7(c) leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-7(c) leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-7(c) leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-7(c) leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-8(a) POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR 60.482-8(a) POC 40 CFR POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR POC		60.482-8				60.482-8 (a)		audible,
POC 40 CFR Y (gas/vapor) leak 500 ppm within 5 days after a pressure release event POC 40 CFR Y (valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y (valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y (valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y (valve leak 10,000 ppm; 40 CFR (valve leak) 10,		(b)						olfactory
POC								
POC 40 CFR Y (gas/vapor) leak 500 ppm within 5 days after a pressure relief valve (gas/vapor) leak 500 ppm within 5 days after a pressure release event POC 40 CFR Y (50.482-7(b)) PV Valve leak 10,000 ppm (60.482-7(a)) PV Valve leak 10,000 ppm; 40 CFR (60.482-7(a)) PV Valve leak 10,000 ppm; 40 CFR (60.482-7(a)) PV Valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y Designated "No detectable emissions" 500 ppm (60.482-7) PV Visible, 60.482-7 (f) PV Visible, 60.482-8 (a) PV Visible, PV Visibl								_
POC 40 CFR Y Designated "No detectable emissions" 500 ppm 60.482-7(b) 60.482-7(c) leaks within 5 days after a pressure release event 60.482-7(c) leaks 10,000 ppm; 40 CFR P/Q Measure for 60.482-7(b) 60.482-7(c) leaks 60.482-8(a) liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 60.482-8(a) Measure for leaks 60.482-8(a) Meas								leaks
POC 40 CFR Y Valve leak 10,000 ppm 40 CFR 60.482-7(b) Valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y Designated "No detectable emissions" 500 ppm (60.482-7) (f)(3) POC 40 CFR Y Pumps and valves in heavy liquid, Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 ppm; 40 CFR (60.482-8(a)) P/E Measure for leaks POC 40 CFR Y Pumps and valves in heavy liquid, Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 P/E Measure for leaks POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 P/E Measure for leaks POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 P/E Measure for leaks	POC	40 CFR	Y		Pressure relief valve	40 CFR	P/E	Measure for
POC 40 CFR Y Valve leak 10,000 ppm 40 CFR 60.482-7(a) Measure for leaks POC 40 CFR Y Valve leak 10,000 ppm; 40 CFR 60.482-7(a) Measure for leaks POC 40 CFR Y Valve leak 10,000 ppm; 2 successive months w/o leaking POC 40 CFR Y Designated "No detectable emissions" 500 ppm (6).482-7 (f) (f)(3) Measure for leaks POC 40 CFR Y Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Measure for leaks Connectors leak 10,000 Measure for leaks		60.482-4(b)			(gas/vapor) leak 500 ppm	60.482-4(b)		leaks within
POC 40 CFR Y Valve leak 10,000 ppm 60.482-7(a)					within 5 days after a			5 days after
POC 40 CFR Y Designated "No detectable emissions" 500 ppm (ful) (f					pressure release event			release
POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR Y Designated "No detectable emissions" 500 ppm (f)(3) POC 40 CFR (f)(4) POC 40	POC	40 CFR	Y		Valve leak 10,000 ppm	40 CFR	P/M	Measure for
POC 40 CFR (60.482-8(a)) POC 40 CFR (90.482-7(f)) POC 40 CFR (60.482-7(f)) POC 40 CFR (60.482-8(a)) POC 40 CFR (60.482		60.482-7(b)				60.482-7(a)		leaks
POC 40 CFR (60.482-7(f)) POC 40 CFR (60.482-7(f)) POC 40 CFR (60.482-8(a)) POC 40 CFR (60.482-8(POC	40 CFR	Y		Valve leak 10,000 ppm;	40 CFR	P/Q	Measure for
POC 40 CFR (60.482-7(f)) POC 40 CFR (60.482-8(a)) Poc (80.482-8(a)) Po		60.482-7(b)			2 successive months w/o	60.482-7(c)		leaks
POC 40 CFR Y Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak in 5 days if detected by inspection POC 40 CFR Y Connectors leak in 5 days if detected by inspection POC 40 CFR Y Connectors leak in 5 days if detected by inspection POC 40 CFR Y Connectors leak in 5 days if detected by inspection leaks Connectors leak 10,000					leaking			
POC 40 CFR (60.482-8(a)) POC 40 CFR (60.482-8(a)) Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR (7) Pumps and valves in heavy 40 CFR (60.482-8(a)) Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR (1) Pressure Relief devices (1) Pressure Relief devices (1) (1) (1) (1) (2) (3) P/E Visible, Audible, or olfactory Inspection Poc Measure for (1) (1) (1) (2) (3) (4) (4) (5) (6) (482-8(a)) (5) (6) (4) (4) (5) (6) (4) (5) (6) (4) (6) (6) (6) (6) (6) (6	POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
POC 40 CFR Y Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Connectors leak 10,000		60.482-7(f)			_	60.482-7		
Foc Go.482-8(a) Full part and varves in fleavy Go.482-8(a) Go.482-8(a) Go.482-8(a) Go.482-8(a) Go.482-8(a) Go.482-8(a) Audible, or olfactory Inspection Go.482-8(b) Go.482-8(b) Go.482-8(b) Go.482-8(a) Go.482-8					**	(f)(3)		
Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Relief devices (light or heavy liquid), Flanges, Connectors leak 10,000	POC	40 CFR	Y		Pumps and valves in heavy	40 CFR	P/E	Visible,
heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y 60.482-8(b) Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Inspection Measure for leaks		60.482-8(a)			liquid service, Pressure	60.482-8(a)		Audible, or
Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Connectors leak 10,000 Connectors leak shall be measured for leak in 5 days if detected by inspection POC 40 CFR Y P/E Measure for leaks					Relief devices (light or			olfactory
measured for leak in 5 days if detected by inspection POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Measure for leaks					heavy liquid), Flanges,			Inspection
POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 Heats (Connectors					Connectors leak shall be			
POC 40 CFR Y Pressure Relief devices (liquid), Flanges, Connectors leak 10,000 PE Measure for leaks					measured for leak in 5 days			
60.482-8(b) (liquid), Flanges, Connectors leak 10,000 (60.482-8(a) leaks					if detected by inspection			
Connectors leak 10,000	POC		Y		Pressure Relief devices	40 CFR	P/E	Measure for
		60.482-8(b)			(liquid), Flanges,	60.482-8(a)		leaks
ppm ppm					Connectors leak 10,000			
					ppm			

Table VII – AB
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

			Future	COMPONENTS	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	J	Monitonina
· -				T	-	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR	¥		Closed-vent systems and	None	N	None
	60.482-10			control devices: Vapor			
	(b)			recovery systems 95%			
POC	40 CFR	¥		Combustion devices 95%	None	N	None
	60.482-10			destruction efficiency or			
	(c)			0.75 seconds and 816°C			
POC	40 CFR	¥		Closed-vent systems leak	4 0 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		1/11	
	0 10 10 111			consecutive quarters <2%			
				valves leaking 10,000			
				ppm.			
				40 CFR 61; Subpart FF			
POC	40 CFR	Y		Exemption for facilities	40 CFR	P/A	Records,
	61.342 (a)			with less than 10 Mg/yr of	61.357 (c)		report
				benzene in waste			

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.1

Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS S433 (F224 - MOSC)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAOMD R	Regulat	tion 8, Rule	-5 - Organic Compounds - S	TORAGE OF		
	Exempt per			_			
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure
	Condition			when true vapor pressure is less	Condition		determination
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material
							change
BAAQMD	BAAQMD <u>F</u>	Regulat	tion 8, Rule	8 – Organic Compounds –	Wastewater (Oi	il Water Sepai	rators)
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.			
NONE		-		SHAPS for Petroleum Refine			
	Exempt	per 63	3.640(d)(5).	Emission point routed to fue	el gas system.		
NSPS	40 CFR 60 S	ubpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ems
QQQ							
VOC	40 CFR	Y		Fixed roof closure standards	40 CFR	<u>periodic</u>	Visual
	60.692-3(a)				60.692-3(a)(4)	initially and	inspection
						semi-	
						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	

Table VII – BB.1

Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS

S433 (F224 - MOSC)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
NSPS	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels			
Kb	MONITORI	NG F	OR RECOR	RDKEEPING ONLY			
VOC	40 CFR 60.110b(c)	Y	TIONS	True vapor pressure less than 3.5 kPa.	40 CFR 60.116b (b)	periodic initially and upon change of service	Record
Permit		J1 (1211	10115				
throughput	BAAQMD	Y		138,700 bbl/yr	BAAQMD	P/W	records
	Condition				Condition		
	7353, Part 4				7353, Part 5		

Table VII – BB.2

Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING

S118 (TANK 163)

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 <u>F</u>	Regulat	ion 8, Rule	-5 - Organic Compounds - S	TORAGE OF	ORGANIC LI	QUIDS		
	Exempt per	8-5-11	7. Low vap	or pressure					
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change		
NESHAPS CC		40 CFR 63 Subpart CC – NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY							
НАР	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1) (iv)	periodic initially and upon change in service	Records		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.2

Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING

S118 (TANK 163)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Permit	PERMIT CO	ONDIT	TIONS				
throughput	BAAQMD Condition 20989, Part A	N		15,000 bbl/yr	BAAQMD Condition 20989, Part A	P/M	Records

Table VII – B<u>B.</u>3

Applicable Limits and Compliance Monitoring Requirements Low Vapor Pressure Permitted Tanks < 10,000 Gallons \$117 (Tank 162) \$193 (Tank 305) \$194 (Tank 306)

		11/(1	I AINK 1UZ	2), 8193 (TANK 305), 8	IIII (TANK	500)	
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 <u>F</u>	Regulat	tion 8, Rule	-5 - Organic Compounds - S	TORAGE OF	ORGANIC LI	QUIDS
	Exempt per	8-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y		Exemption from Regulation 8,	2-6-409.2 &	P/E	Vapor pressure
	Condition			Rule -5 when true vapor	Condition		determination
	20773, Part 1			pressure is less than 25.8 mm	20773, Part 2		upon material
				Hg (0.5 psia).			change
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per	63.641	storage ve	ssel definition. Size less than	or equal to 10,	000 gallons.	
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit		_					
throughput	BAAQMD	N		S117: 8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition			S193: 100 bbl/yr	Condition		
	20989, Part			S194: 100 bbl/yr	20989, Part A		
	A						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - BB.4

Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS

S238 (TANK 211), S239 (TANK 212)

Type of	Emission		Future	.,	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD <u>F</u>	Regulat	ion 8, Rule	5 - Organic Compounds - S	TORAGE OF	ORGANIC LI	QUIDS
	Exempt per	8-5-11	7. Low vap	or pressure			
POC	8-5-117 &	Y		Exemption from Regulation 8,	2-6-409.2 &	P/E	Vapor pressure
	Condition			Rule -5 when true vapor	Condition		determination
	20773, Part 1			pressure is less than 25.8 mm	20773, Part 2		upon material
				Hg (0.5 psia).			change
NONE	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	Exempt per	63.640	(d)(5). Em	ission point routed to fuel ga	s system.		
BAAQMD	PERMIT CO	ONDIT	TIONS				
Permit		-	_				
throughput	BAAQMD	N		S238: 1.0 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition			S239: 8.76 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	A						

Table VII – BB.5

Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD <u>R</u>	egulat	ion 8, Rule	-5 - Organic Compounds - S	TORAGE OF	ORGANIC LIC	QUIDS
	Exempt per 8	B-5-11 ⁶	7. Low vap	or pressure			
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8. Rule -5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change
BAAQMD 8-8	BAAQMD <u>R</u>	egulat	ion 8, Rule	8 – Organic Compounds – `	Wastewater (Oi	l Water Separ	ators)
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504 8-8-603	N	Portable hydrocarbon detector

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>5 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

Type of Limit Limit FE Effective Citation Y/N Date Emission Limit Prequency Citation Y/N Date Emission Limit Citation Y/N Date Emission Limit Citation Requirement Prequency (P/C/N) Type		S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)								
Citation V/N Date Emission Limit Citation (P/C/N) Type	Type of	Emission		Future		Monitoring	Monitoring			
NESHAPS CC and NSPS kD RECORD Seedance Condition Seedance Seedance Condition Seedance Seedance Condition Condition Seedance Condition Seedance Condition Condition Condition Condition Condit	Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
Seed of the content		Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
R-8-304 collection/destruction efficiency of 95% by weight. R-8-602 EPA Method 25 or 25A	VOC	BAAQMD	Y		Combined	BAAQMD	N	Source test or		
NESHAPS 40 CFR 63 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries NSPS Kb RECORDKEEPING ONLY						8-8-602		EPA Method		
NESHAPS 40 CFR 60 Subpart CC - NESHAPS for Petroleum Refineries 40 CFR 60 Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries					_			25 or 25A		
CC and NSPS kb RECORDKEEPING ONLY					-					
NSPS kb RECORDKEEPING ONLY	NESHAPS									
Vapor pressure 40 CFR 63.640(n)(1) 60.110b(c) True vapor pressure less than 3.5 kPa. 63.640(n)(8) 60.110b(b)	CC and	40 CFR 60 St	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	t Petroleum Re	fineries			
Pressure 63.640(n)(1) 60.110b(c) TVP exceedances (> 5.2 40 CFR periodic within 30 days of exceedance	NSPS Kb	RECORDKE		G ONLY						
Vapor pressure			Y		True vapor pressure less		P/E	Record		
Vapor pressure	pressure				than 3.5 kPa.					
NSPS QQ		60.110b(c)				60.116b(b)				
NSPS QQQ VOC 40 CFR 60 Subpart QQQ - VOC Emissions from Petroleum Refinery Wastewater Systems VOC 40 CFR 60.692-3(a) VOC 40 CFR 60.692-3(a) VOC Y Problems identified during 40 CFR 60.692-3(a) inspection sthat could result in VOC emissions VOC Y Problems identified during 40 CFR 60.692-3(a) inspection sthat could result in VOC emissions VOC Y Problems identified during 40 CFR 60.692-3(a) inspection sthat could result in VOC emissions VOC Y Problems identified during 40 CFR 60.698(c) initially and semi-annually BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only VOC BAAQMD Y Condition 1860, Part 1 BAAQMD Aggregation S388 only Fixed roof closure standards 60.692-3(a) initially and semi-annually in VOC emissions BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only Fixed roof closure standards 40 CFR 60.692-3(a) initially and semi-annually in VOC emissions BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only Fixed roof closure standards 40 CFR 60.692-3(a) initially and semi-annually in VOC emissions BAAQMD Aggregation S388 only Fixed roof closure standards 40 CFR 60.692-3(a) initially and semi-annually in VOC emissions Fixed roof closure standards 40 CFR 60.692-3(a) initially and semi-annually in VOC emissions Fixed roof closure standards 40 CFR 60.692-3(a) initially and semi-annually in VOC emissions Fixed roof closure standards 40 CFR 60.692-3(a) initially and semi-annually emissions (30.698(c) initially and semi-annually semi-annually emissions (30.698(c) initially and semi-annually emissions (30.698(c) ini	_		Y		,			Notification		
NSPS QQQ VOC 40 CFR (60.692-3(a)	pressure				kPa).		_			
VOC 40 CFR Fixed roof closure standards 40 CFR periodic initially and semi-annually inspection 40 CFR 60.692-3(a) inspection 40 CFR 60.692-3(a) inspection 40 CFR 60.697(c) when problem is identified when problem is identified when problem when problem is identified when problem is identified when problem is identified when problem is identified when problem when problem is identified wh										
VOC 40 CFR 60.692-3(a) Problems identified during 40 CFR 60.697(c) initially and semi-annually WOC Y Problems identified during 40 CFR 60.697(c) inspections that could result in VOC emissions WOC Y Problems identified during 40 CFR 60.697(c) inspections that could result in VOC emissions WOC Problems identified during 40 CFR 60.697(c) When problem is identified When problem is identified when problem is identified when problem is identified when problem is identified when problem is identified when problem is identified when problem is identified when problem is identified when problem is identified		40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms		
Condition 1860, Part 1 Seminary Footbeams identified during 40 CFR 60.692-3(a) initially and semi-annually Initially and semi-annually Initially and semi-annually Initially and semi-annually Records						ir -		i		
VOC Y Problems identified during 40 CFR periodic when problem is identified luring in VOC emissions VOC Y Problems identified during 40 CFR periodic in VOC emissions VOC Y Problems identified during 40 CFR periodic in VOC emissions VOC A Problems identified during 40 CFR periodic initially and inspections that could result in VOC emissions BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only VOC BAAQMD Y fugitive emissions (300 ppm as methane above background) VOC BAAQMD PRIOR	VOC		Y		Fixed roof closure standards		-			
VOC Y Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions VOC Y Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only VOC BAAQMD Condition 1860, Part 1 Function 1860, Part 3 Fun		60.692-3(a)					•	inspection		
A0 CFR 60.692-3(a) inspections that could result in VOC emissions G0.697(c) when problem is identified										
Inspections that could result in VOC emissions Is identified Is identified	VOC		Y				-	Records		
VOC Y Problems identified during 40 CFR periodic initially and inspections that could result in VOC emissions BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only VOC BAAQMD Y fugitive emissions (300 ppm as methane above background) VOC BAAQMD Permit Condition 1860, Part 1 by BAAQMD Regulation 8, Report initially and semi-annually initially and semi-annually semi-annually condition initially and semi-annually semi-annually semi-annually in VOC emissions VOC BAAQMD Y fugitive emissions (300 ppm as methane above condition as required monitor background) Regulation 8,					. ,	60.697(c)	-			
VOC Y Y Problems identified during 40 CFR 60.692-3(a) inspections that could result in VOC emissions BAAQMD PERMIT CONDITIONS					•		is identified			
## A0 CFR 60.692-3(a) initially and semi-annually in VOC emissions ## BAAQMD PERMIT CONDITIONS Permit Permit Full to the property of t	VOC		V			40 CFR	neriodic	Report		
Inspections that could result in VOC emissions Semi-annually	100		1		6			Report		
BAAQMD PERMIT CONDITIONS Permit Condition 1860 applies to S388 only VOC BAAQMD Y fugitive emissions (300 ppm BAAQMD periodic as required monitor background) 1860, Part 1 by BAAQMD Regulation 8,						00.070(0)	-			
Condition 1860 applies to S388 only					*					
Condition 1860 applies to S388 only	BAAOMD	PERMIT CO	NDIT	IONS						
Condition 1860 applies to S388 only VOC BAAQMD Condition 1860, Part 1 Y Englitive emissions (300 ppm as methane above background) BAAQMD Condition as required monitor 1860, Part 3 VOC monitor background) BAAQMD Regulation 8,	_			20110						
VOC BAAQMD Y fugitive emissions (300 ppm as methane above background) BAAQMD periodic as required monitor VOC monitor 1860, Part 1 background) 1860, Part 3 by BAAQMD Regulation 8,		860 annlies to	C388	only						
Condition 1860, Part 1 as methane above background) background) Condition as required monitor 1860, Part 3 by BAAQMD Regulation 8,				omy	£itiii (200	DAAOMD	4: .	VOC		
background) 1860, Part 3 by BAAQMD Regulation 8,	VOC		Y		`					
BAAQMD Regulation 8,							_	monitor		
Regulation 8,		1860, Part 1			background)	1860, Part 3	_			
							BAAQMD			
							Regulation 8,			
Rule 18							Rule 18			

Revision dated:

Table VII – B<u>B.</u>5 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS S195 (TANK 501), S196 (TANK 502), S388 (TANK 276/F205)

5175 (TANK 501); 5170 (TANK 502); 5500 (TANK 270/1205)								
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		S195: 5.0 E 4 bbl/yr	BAAQMD	P/M	Records	
	Condition				Condition			
	20989, Part				20989, Part A			
	A							
throughput	BAAQMD	Y		S196: 5.0 E 4 bbl/yr	BAAQMD	P/M	Records	
	Condition			S388: 153,300 ton/yr	Condition			
	20989, Part				20989, Part A			
	A							

Table VII – B<u>B.</u>6 Applicable Limits and Compliance Monitoring Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S121 (TANK 166)

				9121 (1/1/11 100)			
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	BAAQMD I	Regulat	tion 8, Rule	5: Organic Compounds - ST	TORAGE OF C	RGANIC LIC	QUIDS
8-5	LIMITS AN	D МО	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	
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	

Table VII – B<u>B.</u>6 Applicable Limits and Compliance Monitoring Requirements MACT (SMALL) ZERO GAP EXTERNAL FLOATING ROOF TANK S121 (TANK 166)

				5121 (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)	Type
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
					D 1 1 0 1 1 D	degassed	
VOC		Y		Certification reports on tank	BAAQMD	<u>periodic</u>	Certification
				inspections and source tests	8-5-404 8-5-405	after each	Report
					8-3-403	tank	
						inspection and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	periodic	Records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
		-		SHAPS for Petroleum Refine	ries		
CC			OR RECOR	RDKEEPING ONLY	1		
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records
	63.641			organic HAP in stored liquid	* / * /	initially and	
				for Group 2 determination.	(iv)	upon change	
D 4 4 63 5D	DEDI ME G	ONIDIA	TONG			in service	
BAAQMD	PERMIT CO	UNDIT	IONS				
Permit						I	
throughput	BAAQMD	N		3.52 E 4 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>7

Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS

S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
BAAQMD	BAAQMD I	BAAQMD Regulation 8, Rule 5: Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
8-5	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS										
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records				
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection				
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection				
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection				
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector				
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report				
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacment	records				
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis				

Table VII – B<u>B.</u>7

Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS

S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Type of	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 Refiner	ries							
CC and	40 CFR 60 Subpart Kb – NSPS for VOL Storage Vessels											
NSPS Kb	LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS											
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual					
	63.640			standards; includes gasketed	63.640(n)(8),	initially & each	inspection					
	(n)(1),			covers	60.113b	time emptied &						
	60.112b				(b)(6)	degassed						
	(a)(2)(ii)											
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<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)							
TIO C	(b)(4)(i)	***		0 1 1	40 CED							
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement					
	63.640			standards; includes gap	63.640(n)(8),	initially &	and visual					
	(n)(1), 60.113b			criteria	60.113b	annually	inspection					
	(b)(4)(ii)				(b)(1)-(b)(3)							
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	periodic	Records					
VOC	63.640	1		rue vapor pressure	63.640(n)(8),	upon change of	Records					
	(n)(1),			rue vapor pressure	60.116b	service						
	60.116b				(c) & (e)	SCIVICC						
	(c)				(6) & (6)							
VOC	(-)	Y		Seal inspection records for	40 CFR	periodic	Records					
				report in 40 CFR	63.640(n)(8),	For each gap						
				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						
						inspection						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>7

Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF TANKS

S439 (TANK 109), S440 (TANK 110), S442 (TANK 112), S444 (TANK 243), S451 (TANK 695)

Type of	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							
	ng applies to	S439 o	nly	 	lı 		
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	S440 o	nly	ı ı			T
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	S442 o	nly				T
throughput	BAAQMD	Y		2,740,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12127, Part				12127, Part 3		
	1						
The following	ng applies to	S444 o	nly	 			
throughput	BAAQMD	Y		4,380,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12129, Part				12129, Part 3		
	1						
The following	ng applies to	S451 o	nly	ı ı			T
throughput	BAAQMD	Y		11,000,000 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	19476, Part				19476, Part 3		
	1						

Table VII – B<u>B.</u>8 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
BAAQMD	BAAQMD R	Regulat	ion 8, Rule	5Organic Compounds - STO	RAGE OF OR	GANIC LIQU	IDS					
8-5	LIMITS AN	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS										
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records					
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection					
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection					
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection					
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector					
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report					
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	records					
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis					

Table VII – B<u>B.</u>8 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

	<u> </u>	101 (I ANK 10	4), S102 (TANK 105), S	IUU (IANK .	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
The followi	ng apply to S	106 on	ly				
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	-7.2	portable
				methane) above background	8-5-503		hydrocarbon
					8-5-605		detector
The followi	ng apply to S	106 on	ly				
BAAQMD	BAAQMD <u>F</u>	Regulat	ion 8, Rule	-8 – Organic Compounds – V	Vastewater (Oil	Water Separa	itors)
8-8		1			T		
VOC	BAAQMD	Y		Primary seal gap criteria	BAAQMD	<u>periodic</u>	measurem
	8-8-302.2				8-8-302.2.3	initially and	ent and
	8-8-302.2.1					every 5 year	s inspection
VOC	BAAQMD	Y		Secondary and wiper seal	BAAQMD	periodic	measurem
	8-8-302.2			gap criteria	8-8-302.2.3	initially and	ent and
	8-8-302.2.2					every 5 year	s inspection
VOC	BAAQMD	Y		Vapor tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504		hydrocarb
					8-8-603		on
							detector
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refiner	ries		
	li e			EMENTS FOR GROUP 2 W	ASTEWATER	SOURCES	
NSPS Kb	II	-		S for VOL Storage Vessels			
and NSPS	II	_		OC Emissions from Petroleur	=	=	ns
QQQ	<u> </u>		NITORING	FOR EXTERNAL FLOAT			1
VOC	40 CFR 60.692-3(d)	Y		Deck fitting closure standards; includes gasketed	40 CFR 60.692-3(d)	periodic initially &	visual
	60.112b			covers	60.113b	each time	inspection
	(a)(2)(ii)			20,010	(b)(6)	emptied &	
						degassed	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	60.692-3(d)			includes gap criteria	60.692-3(d)	initially & at	and visual
	60.113b				60.113b	5 yr intervals	inspection
	(b)(4)(i)				(b)(1)-(b)(3)		

Table VII – B<u>B.</u>8 Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUILIZATION TANKS S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)

	<u> </u>	101 (17111111111	4), S102 (TANK 103), S	100 (1711/11)		
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		Secondary rim-seal	40 CFR	periodic	measurement
	60.692-3(d)			standards; includes gap	60.692-3(d)	initially &	and visual
	60.113b			criteria	60.113b	annually	inspection
	(b)(4)(ii)				(b)(1)-(b)(3)		
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<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	
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 CO	ONDIT	TONS				
Permit							
throughput	BAAQMD	Y		S101: 3.68 E 9 gal/yr	BAAQMD	P/M	records
	Condition			S102: 3.68 E 9 gall/yr	Condition		
	20989, Part			S106: 3.68 E 9 gal/yr	20989, Part A		
	A				, , , , , , , , , , , , , , , , , , , ,		
	11					1	

Table VII – B<u>B.9</u> Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

				5448 (TANK 1007)			
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	BAAQMD I	Regulat	ion 8, Rule	5Organic Compounds - STC	ORAGE OF OR	GANIC LIQU	JIDS
8-5	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
Mod	D 4 4 6 1 4 D	***		T1 C.C 1	D 4 4 63 4 D	of service	3.5
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-402.3		and visual
VOC	BAAQMD	Y		covers Primary rim-seal standards;	BAAQMD	pariodia	inspection Seal
VOC	8-5-321	1		includes gap criteria		periodic 10 year	inspection
	0-3-321			merades gap eriteria	8-5-402.1	intervals and	mspection
						every time a	
						seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	periodic	Seal
	8-5-322			standards; includes gap	8-5-402.1	10 year	inspection
				criteria		intervals and	
						every time a	
						seal is	
						replaced	
VOC	BAAQMD	Y		Visual inspection of outer	BAAQMD	P/SA	Visual
	8-5-305,			most seal	8-5-402.2		inspection
	8-5-321.1, 8-5-322.1						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable
VOC	8-5-328.1.2	1		ppm as methane after	8-5-503	each time	hydrocarbon
	0 3 320.1.2			degassing	0 5 505	emptied &	detector
				2.6.2		degassed	
VOC		Y		Certification reports on tank	BAAQMD	periodic	Certification
				inspections and source tests	8-5-404	after each	report
					8-5-405	tank	
						inspection	
						and source	
						test	
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	Records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	

Table VII – B<u>B.9</u> Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

TD 6	.		Б. 4	5440 (TANK 1007)	3.5 1/ 1	3.5	
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		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
		_		SHAPS for Petroleum Refine	ries		
		_		S for VOL Storage Vessels			
NSPS Kb	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	1	NKS	_
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	
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	
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	yr	visual
VOC	63.640	ĭ		standards; no holes or tears	63.640(n)(8),	periodic initially &	inspection
	(n)(1),			standards, no notes of tears	60.113b	each time	inspection
	60.113b				(a)(3) & (4)	emptied &	
	(a)(1) & (4)				(a)(3) & (1)	degassed, at	
	(a)(1) & (1)					least every 10	
						yr	
VOC	40 CFR	Y		Internal visual inspection	40 CFR	periodic	visual
	63.640			from viewports of fixed roof	63.640(n)(8),	initially &	inspection
	(n)(1),			•	60.113b	annually	•
	60.113b				(a)(2) & (3)		
	(a)(2)						
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	periodic	records
	63.640			true vapor pressure	63.640(n)(8),	upon change	
	(n)(1),				60.116b	of service	
	60.116b				(c) & (e)		
	(c)						
VOC		Y		Record of each initial,	40 CFR	<u>periodic</u>	records
				annual, and 10-year tank	63.640(n)(8),	for each tank	
				inspection	60.115b(a)(2)	inspection	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.9</u> Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK S448 (TANK 1007)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Report of non-compliant annual inspection for tanks with secondary seals	40 CFR 63.640(n)(8), 60.115b(a)(4)	periodic within 30 days of tank inspection	report
BAAQMD Permit	PERMIT CO	ONDIT	TIONS				
throughput	BAAQMD Condition 12133, Part	Y		2,190,000 bbl/yr	BAAQMD Condition 12133, Part 3	P/M	records

Table VII – B<u>B.</u>10

Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005).

		2 0 (1	ann 1/2), 525 7 (Talik 1004), 8	7250 (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
BAAQMD	BAAQMD I	Regulat	ion 8, Rule	5Organic Compounds - STC	ORAGE OF OR	RGANIC LIQU	JIDS
8-5	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320			standards; includes gasketed	8-5-402.3		and visual
				covers			inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	periodic	Seal
	8-5-321			includes gap criteria	8-5-402.1	10 year	inspection
						intervals and	
						every time a	
						seal is	
						replaced	

Table VII – B<u>B.</u>10

Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)

S120 (Talik 172), S257 (Talik 1004), S256 (Talik 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			
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection			
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD 8-5-402.2	P/SA	Visual inspection			
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector			
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Certification report			
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records			
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis			
The following	ng apply only	to S12	6 and S258							
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection			
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector			
The following	ng apply only	to S12	6 and S258							

Table VII – B<u>B.</u>10

Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

S126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)

	51.	<u> 20 (1</u>	alik 1/2), S257 (Tank 1004), S	5230 (Talik .	1003)						
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
NESHAPS	40 CFR 63 S	10 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries										
CC	40 CFR 63 S	ubpar	t G – SOCI	MI HON								
	LIMITS AN	р мо	NITORING	G FOR INTERNAL FLOAT	ING ROOF TA	NKS						
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual					
	63.646(f)			standards	63.646	each time	inspection					
					(a) & (e)	emptied &						
					63.120(a)(3)	degassed, at						
						least every						
						10 years						
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	visual					
	63.646(a)			no holes or tears	63.646(a)	each time	inspection					
	63.120(a)(7)				63.120(a)(3)	emptied &						
						degassed, at						
						least every						
						10 years						
HAP	40 CFR	Y		No gaps visible from the	40 CFR	P/A	visual					
	63.646(a)			tank top	63.646(a)		inspection					
	63.120(a)(4)				63.120(a)(3)							
HAP	40 CFR	Y		No liquid on the floating	40 CFR	P/A	visual					
	63.646(a)			roof or other obvious defects	\ /		inspection					
	63.120(a)(4)			visible from the tank top	63.120(a)(3)							
BAAQMD	PERMIT CO	ONDIT	TIONS									
Permit				,								
throughput	BAAQMD	N		S126: 1.05 E 7 bbl/yr	BAAQMD	P/M	records					
	Condition			S257: 7.01 E 7 bbl/yr	Condition , Part							
	20989, Part			S258: 7.01 E 7 bbl/yr	A							
	A											

Table VII – B<u>B.</u>11 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S360 (TANK 223), S445 (TANK 271)S449 (TANK 285)

Type of	Emission		Future	(1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	Monitoring	Monitoring							
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring						
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
BAAQMD	BAAQMD R	egula	tion 8, Rule	5: Organic Compounds - ST	ORAGE OF O	RGANIC LIC	QUIDS						
8-5	LIMITS AN	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES											
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records						
	8-5-301			true vapor pressure	8-5-501.1	initially and							
						upon change of service							
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual						
	8-5-303.1			pressure within 10% of	8-5-403		inspection						
				maximum allowable working									
				pressure of the tank, or at									
VOC	BAAQMD	Y		least 0.5 psig Pressure vacuum valve must	BAAQMD	P/SA	Method 21						
, 50	8-5-303.2	-		be gas-tight: < 500 ppm (as	8-5-403	1,011	portable						
				methane) above background	8-5-503		hydrocarbon						
					8-5-605		detector						
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency	BAAQMD 8-5-603.1	not specified	MOP Volume IV						
	8-3-300			requirement	8-3-003.1		ST-4						
VOC	BAAQMD	Y		Organic concentration in tank	BAAQMD	periodic	portable						
	8-5-328.1.2			<10,000 ppm as methane	8-5-503	each time	hydrocarbon						
				after cleaning		emptied &	detector						
VOC		Y		Determination of	BAAQMD	degassed P/E	look-up table						
VOC		1		applicability	8-5-604	F/E	or sample						
				TP W			analysis						
NONE		-		SHAPS for Petroleum Refine									
				ission point routed to fuel gas	s system.								
NSPS		_		S for VOL Storage Vessels	EVICES (NOT	r a tel adde)							
Kb VOC	40 CFR	Y	NITOKING	G FOR CVS & CONTROL D Closed vent system leak	40 CFR	as required in	Method 21						
VOC	60.112b	Y		tightness standards (< 500	60.112b	40 CFR	Method 21						
	(a)(3)(i)			ppmw)	(a)(3)(i)	60.485(b)							
	(4)(5)(1)			ppiii,,)	(4)(5)(1)	[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)								

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>11

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S360 (TANK 223), S445 (TANK 271)S449 (TANK 285)

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
BAAQMD Permit	PERMIT CO			Emission Emit	Citation	(I/C/IV)	Турс
The followi	ng applies to S	6445 o	nly				
VOC	BAAQMD Condition 12130, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The followi	ng applies to S	449 o	nly				
VOC	BAAQMD Condition 11219, Part 1	Y		Requirement to vent working emissions to fuel gas system	None	N	None
The followi	ng applies to S	360 o	nly				
throughput	BAAQMD Condition 20989, Part A	Y		2.78 E 6 bbl/yr	BAAQMD Condition 20989, Part A	P/M	records

Table VII – BB.12

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

			~ (1/11/K 310), 5447 (1/11)			
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	BAAQMD R	Regulat	ion 8, Rule	5: Organic Compounds - ST	TORAGE OF C	RGANIC LIC	QUIDS
8-5	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	EVICES		
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records
	8-5-301			true vapor pressure	8-5-501.1	initially and	
						upon change	
						of service	
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
				tank, or at least 0.5 psig			

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>12

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS S446 (TANK 310), S447 (TANK 311)

S446 (TANK 310), S447 (TANK 311)											
Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21				
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable				
				methane) above background	8-5-503		hydrocarbon				
					8-5-605		detector				
VOC	BAAQMD	Y		Control device standards;	BAAQMD	not specified	MOP				
	8-5-306			includes 95% efficiency	8-5-603.1		Volume IV				
				requirement			ST-4				
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable				
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon				
				methane after cleaning		emptied &	detector				
						degassed					
VOC		Y		Determination of	BAAQMD	P/E	look-up				
				applicability	8-5-604		table or				
							sample				
							analysis				
NONE	40 CFR 63 S	ubpar	t CC – NES	HAPS for Petroleum Refine	ries						
	Exempt per	63.640	(d)(5). Emi	ission point routed to fuel ga	s system.						
NSPS Kb	40 CFR 60 S	ubpar	t Kb – NSP	S for VOL Storage Vessels	-						
	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	DEVICES (NOT	(A FLARE)					
VOC	40 CFR	Y		Closed vent system leak	40 CFR	as required in	Method 21				
	60.112b			tightness standards (< 500	60.112b	40 CFR					
	(a)(3)(i)			ppmw)	(a)(3)(i)	60.485(b)					
						[Subpart VV]					
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified				
	60.112b			includes 95% efficiency	60.113b(c)(2)		parameter				
	(a)(3)(ii)			requirement							
BAAQMD	PERMIT CO	ONDIT	IONS								
Permit											
The following	ng applies onl	v to S	146								
VOC	BAAQMD	Y		Requirement to vent	None	N	None				
100	Condition	1		working emissions to fuel	TVOILE	11	rvone				
				C							
	12131,			gas system							
	Part 1										

Table VII – B<u>B.</u>12

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR PRESSURE >= 76.6 KPA (11 PSIA) WITH VAPOR RECOVERY TO FUEL GAS

S446 (TANK 310), S447 (TANK 311)

Type of	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 onl	y to S	14 7				
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	12132, Part			gas system			
	1						

Table VII – BB.13

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

				002), D250 (TAINE 100			
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	BAAQMD I	Regulat	tion 8, Rule	5: Organic Compounds - ST	TORAGE OF C	RGANIC LIC	QUIDS
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	
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	

Table VII – B<u>B.</u>13

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

	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
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 &	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests Records of tank seal	BAAQMD 8-5-404 8-5-405 BAAQMD	degassed periodic after each tank inspection and source test periodic	Reports
, 00		•		replacement	8-5-501.2	after each tank seal replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
	 ng apply only Tank 180), a			0), S110 (Tank 155), S115 (Tank 155)	ank 160), S123	(Tank 168), S1	128 (Tank
	0 11 0				BAAQMD 8-5-403	(Tank 168), S I	visual inspection

LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS

40 CFR 63 Subpart G – SOCMI HON

 \mathbf{CC}

447 Revision dated:

Table VII – B<u>B.</u>13

Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS S97 (TANK 100), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Type of	Emission		Future	002), 5250 (TAIN 100	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	periodic	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
	(b)(3)&(5)				(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
BAAQMD	PERMIT C	ONDIT	TIONS				
Permit							

Table VII – B<u>B.</u>13

1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

	i	S_CC		002), 3230 (TANK 100	r í í	,	
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		S97: 1.1 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S100: 4.38 E 6 bbl/yr	Condition		
	20989, Part			S107: 8.76 E 6 bbl/yr	20989, Part A		
	A			S110: 1.40 E 7 bbl/yr			
				S111: 1.31 E 7 bbl/yr			
				S112: 1.49 E 7 bbl/yr			
				S114: 1.31 E 7 bbl/yr			
				S115: 4.38 E 6 bbl/yr			
				S122: 4.38 E 6 bbl/yr			
				S123: 5.1 E 6 bbl/yr			
				S124: 4.38 E 6 bbl/yr			
				S128: 5.1 E 6 bbl/yr			
				S177: 2.63 E 7 bbl/yr			
				S186: 4.38 E 6 bbl/yr			
				S254: 7.01 E 7 bbl/yr			
				S255: 7.01 E 7 bbl/yr			
				S256: 7.01 E 7 bbl/yr			
				S259: 7.01 E 7 bbl/yr			
throughput	BAAQMD	Y		S129: 4.6 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S150: 4.38 E 7 bbl/yr	Condition		
	20989, Part			S151: 4.38 E 7 bbl/yr	20989, Part A		
	A			S178: 3.50 E 7 bbl/yr			

Revision dated:

Table VII – B<u>B.</u>14

Applicable Limits and Compliance Monitoring Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

Type of	Emission		Future	,, ,	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
BAAQMD				5: Organic Compounds - ST			-
8-5				G FOR EXTERNAL FLOAT			
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	.	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	Reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis

Table VII – BB.14

Applicable Limits and Compliance Monitoring Requirements NSPS K AND NSPS KA ZERO-GAP EXTERNAL FLOATING ROOF TANKS NSPS K - S334 (TANK 107),

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

Type of	Emission		Future	NK 200), 5542 (TANK 2	Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
Lillit				T T	-		_					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
		-		SHAPS for Petroleum Refine	ries							
CC, NSPS		0 CFR 63 Subpart G – SOCMI HON										
		-		for Petroleum Storage Vesso								
and NSPS		-		S for Petroleum Storage Ves								
			NITORINO	G FOR EXTERNAL FLOAT								
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 (a) & (e)	each time emptied &						
					63.120	degassed						
					(b)(10)	uegusseu						
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement					
	63.640(n)(5)			includes gap criteria	63.640(n)(5)	initially & at	and visual					
	63.646(a)				63.646(a)	5 yr intervals	inspection					
	63.120				63.120							
	(b)(3)&(5)				(b)(1) & (2)							
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement					
	63.640(n)(5)			standards; includes gap	63.640(n)(5)	initially &	and visual					
	63.646(a) 63.120			criteria	63.646(a) 63.120	annually	inspection					
	(b)(4)&(6)				(b)(1) & (2)							
BAAQMD	PERMIT CO	NDIT	TONS		(0)(1) & (2)							
Permit	LIMIT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10110									
throughput	BAAQMD	Y		S341: 4.38 E 7 bbl/yr	BAAQMD	P/M	Records					
unougnput	Condition	•		S342: 4.38 E 7 bbl/yr	Condition	1/1/1	records					
	20989, Part			S343: 4.38 E 7 bbl/yr	20989, Part A							
	*			5343. 4.38 E / 001/yi	20989, Part A							
	A			~~								
throughput	BAAQMD	N		S334: 6.51 E 6 bbl/yr	BAAQMD	P/M	records					
	Condition				Condition							
	20989, Part				20989, Part A							
	A											

- 2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S334 (Tank 107) is subject to NSPS K and MACT.
- 3. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S341 (Tank 208), S342 (Tank 209), and S343 (Tank 210) are subject to NSPS Ka and MACT.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>15 Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (Tank 204), S140 (Tank 205), S182 (Tank 294)

1	S139 (Tank 204), S140 (Tank 205), S182 (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					
BAAQMD	BAAQMD R	Regulat	ion 8, Rule	5: Organic Compounds - ST	TORAGE OF C	RGANIC LIC	QUIDS					
8-5	LIMITS AN	р мо	NITORING	G FOR CVS & CONTROL D	DEVICES							
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records					
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection					
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector					
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4					
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector					
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis					
		-		SHAPS for Petroleum Refine ission point routed to fuel gas								
	PERMIT CO			ission point routed to fuel ga	o oystem.							
Permit	I EKWIII CC).ND11	10113									
L U	l ng applies to S	S182 o	nlv									
VOC	BAAQMD	Y	<i>J</i>	Requirement to vent		N						
	Condition			working emissions to fuel								
	13184, Part			gas system								
	1			5 2 J 0.0								
The followir	ng applies to S	S139 a	nd S140 on	ly	<u> </u>	I						

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>15

Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (Tank 204), S140 (Tank 205), S182 (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		S139: 2.74 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S140: 2.74 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	A						

Table VII – B<u>B.</u>16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

Type of **Emission Future** Monitoring Monitoring Limit Limit FE **Effective** Requirement Frequency Monitoring Y/N Date Citation (P/C/N) Citation **Emission Limit** Type BAAQMD Regulation 8, Rule 5: Organic Compounds - STORAGE OF ORGANIC LIQUIDS BAAOMD LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS 8-5 VOC BAAOMD Record of liquids stored and BAAOMD periodic Records 8-5-301 true vapor pressure 8-5-501.1 initially and upon change of service VOC Y BAAQMD BAAQMD P/SA Pressure vacuum valve set 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 detector 8-5-605 VOC BAAQMD Y Floating roof fitting closure BAAQMD P/SA Measurement 8-5-320 standards; includes gasketed 8-5-401.2 and visual inspection covers 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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

				S133 (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	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
****		• • •			DAAOMD	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	
					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
				теріасетіст	0-3-301.2	tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604	-,-	or sample
				11 7			analysis
BAAQMD	BAAQMD 8	, Rule	-8 – Organi	ic Compounds – Wastewater	(Oil Water Sep	arators)	
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 Refiner	ries		
CC	40 CFR 63 S						
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA		
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	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

Type of	Emission		Future	Sico (Imax 190)	Monitoring	Monitoring	
Limit		To To	Effective		_	· ·	Manitanina
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 CO	ONDIT	TIONS				
Permit							
throughput	BAAQMD	Y		8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition 20989	,	
	20989, Part				Part A		
	A						

Table VII – B<u>B.</u>17 Applicable Limits and Compliance Monitoring Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S340 (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)	Type
BAAQMD	BAAQMD I	Regulat	tion 8, Rule	5: Organic Compounds - ST	TORAGE OF C	RGANIC LIC	QUIDS
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 – B<u>B.</u>17 Applicable Limits and Compliance Monitoring Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S340 (TANK 108)

				S340 (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)	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
					D 4 4 6 1 (D)	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	
					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
				теріасетісті	0-3-301.2	tank seal	
						replacement	
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						
NSPS Ka		-		S for Petroleum Storage Ves	ssels		
(note 2)	LIMITS AN	D MO	NITORIN	G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.640(n)(5))		standards	63.640(n)(5)	initially &	inspection
	63.646(f)				63.646	each time	
					(a) & (e)	emptied &	
					63.120	degassed	
					(b)(10)		
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<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)		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>17 Applicable Limits and Compliance Monitoring Requirements NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS S340 (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)	Type
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.640(n)(5)			standards; includes gap	63.640(n)(5)	initially &	and visual
	63.646(a)			criteria	63.646(a)	annually	inspection
	63.120				63.120		
	(b)(4)&(6)				(b)(1) & (2)		
~	PERMIT CO	ONDI	ΓIONS				
Permit		ı					
throughput	BAAQMD	Y		7.67 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

2. Tanks subject to 40 CFR 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S340 (Tank 108) is subject to NSPS Ka and MACT.

Table VII – B<u>B.</u>18

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Type of	Emission		Future		Monitoring	Monitoring	35 4
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	BAAQMD I	Regulat	ion 8, Rule	5: Organic Compounds - S	TORAGE OF C	RGANIC LIC	QUIDS
8-5	LIMITS AN	D МО	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
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection
						seal is	
						replaced	

Table VII – B<u>B.</u>18

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Certification reports on tank inspections and source tests	BAAQMD 8-5-404 8-5-405	periodic after each tank inspection and source test	reports
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	records
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
The following	ng apply only	to S11	3 (Tank 15	8), S125 (Tank 170)			
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
	 			8), S125 (Tank 170)			
		-		SHAPS for Petroleum Refine	eries		
CC	40 CFR 63 S LIMITS AN	-		MI HON G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS	

Table VII – B<u>B.</u>18

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

Type of	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	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	PERMIT C	ONDI	TIONS				
throughput	BAAQMD	N		S113: 1.49 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S125: 1.05 E 7 bbl/yr	Condition		
	20989, Part			S261: 7.01 E 7 bbl/yr	20989, Part A		
	A						
throughput	BAAQMD	Y		S183: 4.38 E 5 bbl/yr	BAAQMD	P/M	records
	Condition			S184: 4.38 E 6 bbl/yr	Condition		
	20989, Part				20989, Part A		
	A						

Table VII – B<u>B.</u>19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695)

				5210 (TANK 095)								
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	BAAQMD I	Regula	tion 8, Rule	5: Organic Compounds - ST	TORAGE OF C	RGANIC LIC	QUIDS					
8-5	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS											
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records					
	8-5-301			true vapor pressure	8-5-501.1	initially and						
				• •		upon change						
						of service						
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement					
	8-5-320			standards; includes gasketed	8-5-401.2		and visual					
				covers			inspection					
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						
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	replaced P/SA and	Seal					
VOC	8-5-322	1		standards; includes gap	8-5-401.1	every time a	inspection					
	0-3-322			criteria	8-3-401.1	seal is	mspection					
				ontona		replaced						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable					
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon					
				degassing		emptied &	detector					
						degassed						
VOC		Y		Certification reports on tank	BAAQMD	<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	racarda					
VOC		I		replacement	BAAQMD 8-5-501.2	<u>periodic</u> after each	records					
				теріассінені	8-3-301.2	tank seal						
						replacement						
VOC		Y		Determination of	BAAQMD	P/E	look-up table					
				applicability	8-5-604		or sample					
							analysis					

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (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	HAPS for Petroleum Refine	ries		
CC	40 CFR 63 S	Subpar	t G – SOCN	MI HON			
	LIMITS AN	ID MO	NITORING	G FOR EXTERNAL FLOAT	TING 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	periodic	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual
	63.120				63.120	5 yr intervals	inspection
	(b)(3)&(5)				(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
BAAQMD Permit	PERMIT C	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 - BB.20

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS S134 (TANK 194)

Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
BAAQMD	BAAQMD I	BAAQMD Regulation 8, Rule 5: Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
8-5	LIMITS AN	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS										
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 maximum allowable	8-5-403		inspection					
				working pressure of the								
				tank, or at least 0.5 psig								
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21					
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable					
				methane) above background	8-5-503		hydrocarbon					
				-	8-5-605		detector					
VOC	BAAQMD	Y		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						
Mod	D 4 4 61 fD	***		0 1 1	D 1 1 01 ID	replaced	G 1					
VOC	BAAQMD 8-5-322	Y		Secondary rim-seal	BAAQMD 8-5-401.1	P/SA and	Seal					
	8-3-322			standards; includes gap criteria	8-3-401.1	every time a seal is	inspection					
				Cinteria		replaced						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable					
, , ,	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon					
				degassing		emptied &	detector					
						degassed						
VOC		Y		Certification reports on tank	BAAQMD	periodic	reports					
				inspections and source tests	8-5-404	after each						
					8-5-405	tank						
						inspection						
						and source						
						test						

Table VII – B<u>B.</u>20 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS

S134 (TANK 194)

				5134 (1ANK 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
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	
VOC		Y		Determination of	BAAQMD	P/E	look-up table
				applicability	8-5-604		or sample
							analysis
BAAQMD		Regula	tion 8, Rule	8: BAAQMD 8-8 — Organic	c Compounds –	Wastewater (Oil Water
8-8	Separators)						
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	-					
	LIMITS AN	ID MO	NITORIN	G FOR EXTERNAL FLOAT	TING ROOF TA	ANKS	
					ir	i .	
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 &	
	40.000				(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
TIAD	(b)(3)&(5)	37		C 1	(b)(1) & (2)		
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a) 63.120			standards; includes gap criteria	63.646(a) 63.120	initially & annually	and visual inspection
	(b)(4)&(6)			Cincila	(b)(1) & (2)	aiiiuaiiy	mspection
	PERMIT CO	ONIDIZ	TONG.		(U)(1) & (2)		
BAAQMD	IPERMIT		111111111111111111111111111111111111111				

Table VII – BB.20

Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF WASTEWATER SLOP OIL TANK W/O ZERO-GAP SEALS

S134 (TANK 194)

Type of	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		1.31 E 7 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part				20989, Part A		
	A						

Table VII – BB.21

Applicable Limits and Compliance Monitoring Requirements EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (Tank 73), S94 (Tank 78), S98 (Tank 101), S99 (Tank 102), S103 (Tank 106), S120 (Tank 165), S130 (Tank 188), S131 (Tank 189), S132 (Tank 191), S136 (Tank 201), S137 (Tank 202), S138 (Tank 203), S141 (Tank 213), S142 (Tank 214), S143 (Tank 215), S144 (Tank 216), S145 (Tank 217), S148 (Tank 231), S149 (Tank 232), S157 (Tank 252), S162 (Tank 262), S164 (Tank 264), S165 (Tank 265), S166 (Tank 266), S167 (Tank 268), S168 (Tank 269), S169 (Tank 270), S171 (Tank 273), S172 (Tank 279), S173 (Tank 280), S174 (Tank 281), S179 (Tank 291), S180 (Tank 292), S187 (Tank 299), S191 (Tank 303), S192 (Tank 304), S202 (Tank 521), S204 (Tank 528), S205 (Tank 529), S206 (Tank 530), S207 (Tank 531), S209 (Tank 674), S224 (Tank 746), S225 (Tank 747), S226 (Tank 748), S227 (Tank 749), S228 (Tank 750), S229 (Tank 774), S230 (Tank 752), S231 (Tank 753), S236 (Tank 770), S237 (Tank 771), S240 (Tank 774), S241 (Tank 775), S260 (Tank 1009), S262 (Tank 1011), S263 (Tank 1012), S266 (Tank 1345), S267 (Tank 1346), S286 (F3), S287 (F10), S293

(F805)

Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	BAAQMD Regulation 8, Rule 5: BAAQMD 8-5 - Organic Compounds - STORAGE OF ORGANIC								
	LIQUIDS E	xempt	per 8-5-117	. Low vapor pressure					
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure		
	Condition			when true vapor pressure is less	Condition		determination		
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material		
	,						change		

Table VII – BB.21

Applicable Limits and Compliance Monitoring Requirements
EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (Tank 73), S94 (Tank 78), S98 (Tank 101), S99 (Tank 102), S103 (Tank 106), S120 (Tank 165), S130 (Tank 188), S131 (Tank 189), S132 (Tank 191), S136 (Tank 201), S137 (Tank 202), S138 (Tank 203), S141 (Tank 213), S142 (Tank 214), S143 (Tank 215), S144 (Tank 216), S145 (Tank 217), S148 (Tank 231), S149 (Tank 232), S157 (Tank 252), S162 (Tank 262), S164 (Tank 264), S165 (Tank 265), S166 (Tank 266), S167 (Tank 268), S168 (Tank 269), S169 (Tank 270), S171 (Tank 273), S172 (Tank 279), S173 (Tank 280), S174 (Tank 281), S179 (Tank 291), S180 (Tank 292), S187 (Tank 299), S191 (Tank 303), S192 (Tank 304), S202 (Tank 521), S204 (Tank 528), S205 (Tank 529), S206 (Tank 530), S207 (Tank 531), S209 (Tank 674), S224 (Tank 746), S225 (Tank 747), S226 (Tank 748), S227 (Tank 749), S228 (Tank 750), S229 (Tank 751), S230 (Tank 752), S231 (Tank 753), S236 (Tank 770), S237 (Tank 771), S240 (Tank 774), S241 (Tank 775), S260 (Tank 1009), S262 (Tank 1011), S263 (Tank 1012), S266 (Tank 1345), S267 (Tank 1346), S286 (F3), S287 (F10), S293 (F805)

Type of	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	SHAP for Petroleum Refiner	ies				
CC	MONITOR	ING F	OR RECO	RDKEEPING ONLY					
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records		
	63.641	63.641 organic HAP in stored liquid 63.654(i)(1) initially and							
				for Group 2 determination.	(iv)	upon change			
						in service			

Table VII – B<u>B.</u>22 Applicable Limits and Compliance Monitoring Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S158 (TANK 258), S175 (TANK 284)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
	BAAQMD Regulation 8, Rule -5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per	Exempt per 8-5-117. Low vapor pressure									
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).		P/E	Vapor pressure determination upon material				
							change				

Table VII – BB.22

Applicable Limits and Compliance Monitoring Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S158 (TANK 258), S175 (TANK 284)

Type of	Emission		Future		Monitoring	Monitoring					
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring				
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type				
NONE	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries										
	Exempt per	Exempt per 63.640(d)(5). Emission point routed to fuel gas system.									

Table VII - BB.23A

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING + BUT WITH GROUP I MACT FLEXIBILITY

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
	BAAQMD Regulation 8, -Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per	8-5-11	7. Low vap	or pressure						
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change			
NESHAPS	40 CFR 63 S	Subpar	t CC – NES	SHAP for Petroleum Refineri	ies					
CC	MONITOR	ING F	OR RECOR	RDKEEPING ONLY						
НАР	40 CFR 63.641	Y		Retain weight percent total organic HAP in stored liquid for Group 2 determination.	40 CFR 63.654(i)(1) (iv)	periodic initially and upon change in service	Records			

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

Table VII – B<u>B.</u>23B

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING +

BUT WITH GROUP I MACT FLEXIBILITY S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

T 0				5), 5107 (TANK 154), 1	i i	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			
BAAQMD	BAAQMD I	Regulat	ion 8, Rule	5: Organic Compounds - S'	TORAGE OF C	ORGANIC LIC	QUIDS			
8-5	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS									
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records			
	8-5-301			true vapor pressure	8-5-501.1	initially and				
						upon change				
						of service				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement			
	8-5-320			standards; includes gasketed	8-5-401.2		and visual			
				covers			inspection			
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal			
	8-5-321			includes gap criteria	8-5-401.1	every time a	inspection			
						seal is				
						replaced				
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal			
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection			
				criteria		seal is				
						replaced				
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable			
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon			
				degassing		emptied &	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				
VOC		37		D	DAAOME	test	D 1			
VOC		Y		Records of tank seal	BAAQMD	periodic	Records			
				replacement	8-5-501.2	after each				
						tank seal				
						replacement				

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>23B

Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING * BUT WITH GROUP I MACT FLEXIBILITY

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)

S108 (TANK 153), S109 (TANK 154), S127 (TANK 173)									
Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре		
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 – SOCN	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)				
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)				

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VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>24

Applicable Limits and Compliance Monitoring Requirements NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING S90 (TANK 67), S105 (TANK 129)

			D) 0 (TANK 07), 5105 (TAN	1 1 2)					
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 Regulation 8, Rule -5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	Exempt per 8	-5-11	7. Low vap	or pressure						
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure			
	Condition			when true vapor pressure is less	Condition		determination			
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material			
	20773, 14101						change			
NESHAPS	40 CFR 60 Su	ıbpar	t K – NSPS	for Petroleum Storage Vesso	els ¹					
CC	40 CFR 63 Su	ıbpar	t CC – NES	SHAP for Petroleum Refiner	ies					
	MONITORIN	NG FO	OR RECOR	RDKEEPING ONLY						
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records			
	63.640(n)(7)			organic HAP in stored liquid	63.654(i)(1)	initially and				
	63.641			for Group 2 determination.	(iv)	upon change				
						in service				

Table VII - BB.25

Applicable Limits and Compliance Monitoring Requirements EXEMPT BUTANE SPHERES

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

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
BAAQMD	BAAQMD I	Regulat	tion 8, Rule	5: Organic Compounds - S	TORAGE OF C	RGANIC LIC	QUIDS
8-5	LIMITS AN	D MO	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

¹ Group 2 storage vessels as defined in 40 CFR 63 Subpart CC (MACT) that are subject to NSPS K but are exempt from control requirements in NSPS K are subject only to MACT per 63.640(n)(7).

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>25 Applicable Limits and Compliance Monitoring Requirements EXEMPT BUTANE SPHERES

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

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type			
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21			
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable			
				methane) above background	8-5-503		hydrocarbon			
					8-5-605		detector			
VOC	BAAQMD	Y		Pressure tank must be gas	BAAQMD	not specified	Method 21			
	8-5-307			tight: < 100 ppm (as	8-5-503		portable			
				methane) above background	8-5-605		hydrocarbon			
							detector			
VOC	BAAQMD	Y		Organic concentration in	BAAQMD	periodic	portable			
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon			
				methane after cleaning		emptied &	detector			
				_		degassed				
VOC		Y		Determination of	BAAQMD	P/E	look-up table			
				applicability	8-5-604		or sample			
							analysis			
NONE	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	eries					
	Exempt per	63.640	$(\mathbf{d})(5)$. Em	ission point routed to fuel ga	s system					
The followi	ng applies to			•	-					
	h			SHAPS for Petroleum Refine	ries					
1101112	-									
	Exempt per 60.110b(d)(2). Pressure vessel designed to operate in excess of 204.9 kPa and without									
<u> </u>	emissions to	tne at	mospnere.							

Table VII – B<u>B.</u>26 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK VENTED TO FUEL GAS S135 (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 Regulation 8, Rule -5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per 8-5-117. Low vapor pressure										
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure				
	Condition			when true vapor pressure is less	Condition		determination				
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material				
	20,,5,14111						change				

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>26 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK VENTED TO FUEL GAS S135 (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					
NONE	40 CFR 63 St	0 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	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 – B<u>B.</u>27 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

				1ANK 233, 1ANK 230								
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 Regulation 8, Rule -5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
	Exempt per 8	8-5-11	7. Low vap	or pressure								
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure					
	Condition			when true vapor pressure is less	Condition		determination					
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material					
	20,75,14101						change					
NONE	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries							
	Exempt per 6	3.640	(d)(5). Em	ission point routed to fuel ga	s system.							
NSPS Kb	40 CFR 60 St	ıbpar	t Kb - NSP	S for VOL Storage Vessels at	t Petroleum Ref	fineries						
	RECORDKE	EPIN	G ONLY									
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record					
pressure	60.110b(c)			than 3.5 kPa.	60.116b(b)							
NSPS	40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms					
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						
VOC		Y		Problems identified during	40 CFR	periodic	Records					
				40 CFR 60.692-3(a)	60.697(c)	when problem						
				inspections that could result		is identified						
				in VOC emissions								

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>27 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS

TANK 235, TANK 236

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
2	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC		Y		Problems identified during 40 CFR 60.692-3(a)	40 CFR 60.698(c)	periodic initially and	Report
				inspections that could result in VOC emissions	` ′	semi-annually	

Table VII – B<u>B.</u>28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

TANK 237

Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
	BAAQMD Regulation 8, Rule -5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
	Exempt per 8-5-117. Low vapor pressure											
POC	8-5-117 &	Y		Exemption from Regulation 8-5	2-6-409.2 &	P/E	Vapor pressure					
	Condition			when true vapor pressure is less	Condition		determination					
	20773, Part 1			than 25.8 mm Hg (0.5 psia).	20773, Part 2		upon material					
	20773, 1 411 1						change					
NONE	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries							
	NO MONITO	RIN	G REQUIR	EMENTS FOR GROUP 2 V	VASTEWATE	R SOURCES						
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)							
Vapor		Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification					
pressure				kPa).	60.116b(d)	within 30 days						
						of exceedance						
NSPS	40 CFR 60 St	ıbpar	t QQQ – V	OC Emissions from Petroleu	m Refinery Wa	stewater Syste	ms					
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						
VOC		Y		Problems identified during	40 CFR	periodic	Records					
				40 CFR 60.692-3(a)	60.697(c)	when problem						
				inspections that could result		is identified						
				in VOC emissions								

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

TANK 237

Type of	Emission		Future		Monitoring	Monitoring	_
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC		Y		Problems identified during	40 CFR	periodic	Report
				40 CFR 60.692-3(a)	60.698(c)	initially and	
				inspections that could result		semi-annually	
				in VOC emissions			

Table VII – B<u>B.</u>29 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 Re	egulat	ion 8, Rule	-5 - Organic Compounds - S	TORAGE OF	ORGANIC LIC	QUIDS				
	Exempt per 8	Exempt per 8-5-117. Low vapor pressure									
POC	8-5-117 &	Y		Exemption from Regulation 8-5		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	bpar	t CC – NES	SHAPS for Petroleum Refine	ries						
CC and	40 CFR 60 St	bpar	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					

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B<u>B.</u>30 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 Regulation 8, Rule -5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS										
	Exempt per 8-5-117. Low vapor pressure										
POC	8-5-117 & Condition 20773, Part 1	Y		Exemption from Regulation 8-5 when true vapor pressure is less than 25.8 mm Hg (0.5 psia).	2-6-409.2 & Condition 20773, Part 2	P/E	Vapor pressure determination upon material change				
	40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries										
	NO MONITO)RIN	G REQUIR	EMENTS FOR GROUP 2 V	VASTEWATE	RSOURCES					

<u>Table VII – CC.1</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> S452-S455, S457, S458, S500, COOLING TOWERS

	5452-5455, 5457, 5456, S500, COOLING TOWERS										
			<u>Future</u>		<u>Monitoring</u>	Monitoring					
Type of	Citation of	<u>FE</u>	Effective		Requirement	Frequency	Monitoring				
<u>Limit</u>	<u>Limit</u>	<u>Y/N</u>	<u>Date</u>	<u>Limit</u>	<u>Citation</u>	(P/C/N)	<u>Type</u>				
Opacity	<u>BAAQMD</u>	<u>Y</u>		Ringelmann No. 1 for	<u>None</u>	<u>N</u>	<u>None</u>				
	Regulation			no more than 3							
	<u>6-301</u>			minutes/hour							
<u>FP</u>	<u>BAAQMD</u>	<u>Y</u>		0.15 grain/dscf	<u>None</u>	<u>N</u>	<u>None</u>				
	<u>6-310</u>										
	BAAQMD	<u>Y</u>		<u>40 lb/hr</u>	<u>None</u>	<u>N</u>	<u>None</u>				
	<u>6-311</u>										
<u>PM</u>				None	BAAQMD	P/M	Analysis total				
					Condition		<u>dissolved</u>				
					22121, part 4		<u>solids</u>				
Organic				None	BAAQMD	<u>P/D</u>	<u>Visual</u>				
com-					Condition		inspection				
<u>pounds</u>					22121, part 1						
				<u>None</u>	BAAQMD	P/twice per	Analysis of				
					Condition	<u>day</u>	<u>chlorine</u>				
					22121, part 2		<u>content</u>				

VII. Applicable Limits and Compliance Monitoring Requirements

<u>Table VII – CC.1</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> S452-S455, S457, S458, S500, COOLING TOWERS

Type of Limit	Citation of Limit	<u>FE</u> <u>Y/N</u>	Future Effective Date	<u>Limit</u>	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				<u>None</u>	BAAQMD	<u>P/M</u>	Records of
					Condition		NaOCl usage
					<u>22121, part 3</u>		
				<u>None</u>	<u>BAAQMD</u>	P/E, after 4	Estimate of
					<u>Condition</u>	weeks of	daily VOC loss
					22121, part 6	indication of	
						<u>hydrocarbon</u>	
						<u>leak</u>	

<u>Table VII – CC.2</u> <u>Applicable Limits and Compliance Monitoring Requirements</u> S456, COOLING TOWER

	5450; COOLING TOWER						
			<u>Future</u>		<u>Monitoring</u>	Monitoring	
Type of	Citation of	<u>FE</u>	Effective		Requirement	<u>Frequency</u>	Monitoring
<u>Limit</u>	<u>Limit</u>	<u>Y/N</u>	<u>Date</u>	<u>Limit</u>	<u>Citation</u>	(P/C/N)	<u>Type</u>
Opacity	BAAQMD	<u>Y</u>		Ringelmann No. 1 for	<u>None</u>	<u>N</u>	None
	Regulation			no more than 3			
	<u>6-301</u>			minutes/hour			
<u>FP</u>	<u>BAAQMD</u>	<u>Y</u>		0.15 grain/dscf	<u>None</u>	<u>N</u>	<u>None</u>
	<u>6-310</u>						
<u>PM</u>				<u>None</u>	<u>BAAQMD</u>	<u>P/M</u>	Analysis total
					Condition		dissolved
					22122, part 2		<u>solids</u>
<u>Organic</u>	<u>BAAQMD</u>	<u>Y</u>		300 ppm as carbon	<u>BAAQMD</u>	<u>P/D</u>	<u>Visual</u>
com-	<u>8-2-301</u>			and 15 lb organic	Condition		inspection
<u>pounds</u>				compounds/day	22122, part 1		
				None	<u>BAAQMD</u>	P/E, after 4	Estimate of
					<u>Condition</u>	weeks of	daily VOC loss
					22122, part 4	indication of	
						<u>hydrocarbon</u>	
						<u>leak</u>	

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	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Miscellaneous Operations	25A
8-5-301	Tank Emission Control System	Manual of Procedures, Volume IV, ST-4
	Requirements, 95% Abatement	
	Efficiency	
8-5-303.2	Gas Tight Requirements for	Organic compounds shall be measured using a portable gas
8-5-306, and	Organic Liquid Storage Tanks	detector as prescribed in EPA Reference Method 21 (40 CFR 60,
8-5-307		Appendix A)
8-5-320	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-320 when
	external) tank fitting gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-321	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-321 when
	external) primary rim seal gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	gap measurement	
8-5-322	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-322 when
	external) secondary rim seal gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	gap measurement	
8-5-328.1.2	Tank Degassing Emission	Manual of Procedures, Volume IV, ST-7
	Control System Requirements	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-7-301	Phase I Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor
	Requirements	Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing
		Facility Phase I Volumetric Efficiency
8-7-302	Phase II Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Vapor Tightness;
	Requirements	ST-37, Liquid Removal; and ST-41, Liquid Retain and Spitting
		from Nozzles
8-8-302.3	Oil-Water Separator Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-307.2	Air Flotation Unit Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-504	Portable Hydrocarbon Detector	A gas detector that meets the specifications and performance
		criteria of and has been calibrated in accordance with EPA
		Reference Method 21 (40 CFR 60, Appendix A)
8-8-601	Wastewater Analysis for Critical	Samples of wastewater shall be taken at the influent stream for
	OCs	each unit and analyzed for the concentration of dissolved critical
		organic compounds as prescribed in the District's Manual of
		Procedures, Volume III, Lab Method 33.
8-8-602,	Determination of Emissions	Emissions of POCs, as specified in Sections 8-8-301.3, 8-8-302.3,
8-8-301.3,		8-8-304, 8-8-305.2, 8-8-306.2, and 8-8-307.2 shall be measured
8-8-302.3,		by as prescribed by any of the following methods: 1). BAAQMD
8-8-304,		MOP, Volume IV, ST-7 or; 2). EPA Method 25 or 25(A).
8-8-305.2,		
8-8-306.2, and		
8-8-307.2		
8-8-603,	Inspection Procedures	For the purposes of 8-8-301, 302, 303, and 304, leaks shall be
8-8-301,		measured using a portable gas detector as prescribed in EPA
8-8-302,		Reference Method 21 (40 CFR 60, Appendix A)
8-8-303, and		
8-8-304		
8-18	Fugitive Emission Monitoring	EPA Method 21
	Requirements	
8-44-301.1	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
8-44-301.2	during marine tank vessel	Vapor Recovery Units
	loading	
8-44-303	Tank vessel is leak free and gas	EPA Method 21
	tight	

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	
9-1-501, 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		
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	
40 CFR 60 Subpart Db	Standards of Performance for Industrial-Commercial- Institutional Steam Generating Units (3/13/00)		

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
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 Kb	System – leak detection	Subpart VV 60.485(b)
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)		
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	resung and riocedures
60.113b	seal gap measurement	
(b)(4)(i)		

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)
Subpart Kb	Floating Roof Tank secondary	Testing and Procedures
60.113b	rim seal gap measurement	
(b)(4)(ii)		
40 CFR 60	Standards of Performance for	
Subpart GG	Stationary Gas Turbines	
	(1/27/82)	
60.332 (a)(1)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.332 (a)(2)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (a)	SO2 Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (b)	Fuel Sulfur Limit (gaseous fuel)	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation ASTM D 4084-82, Standard Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method),
		ASTM D 3246-81, Standard Method for Sulfur in Petroleum Gas
		by Oxidative Microcoulometry
60.333 (b)	Fuel Sulfur Limit (liquid fuel)	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel
		Oils
40 CFR 60,	Inspection Procedures	EPA Reference Method 21
Appendix A		
40 CFR 60	Standards of Performance for	
Subpart VV	Equipment Leaks of VOC in SOCMI	
40 CFR 60	Pumps in light liquid service –	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	leak detection	Subpart VV 60.485(b)
60.482-2(b)(1)		
40 CFR 60	Pumps in light liquid service and	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	designated for "no detectable	Subpart VV 60.485(c)
60.482-2(e)	emission" - leak detection	
40 CFR 60	Compressors designated for "no	40 CFR 60 Appendix A, Method 21 as specified in 40 CFR 60
Subpart VV	detectable emission" – leak	Subpart VV 60.485(c)
60.482-3	detection	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
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.
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	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
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)		
California		
Air		
Resources		
Board		
(CARB)		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torgue
Condition	test	Test"
18680, Part 2		

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
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] do not apply 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 routed
3 (b)	through a closed vent system to a control device. The applicant's separator has a fixed
	roof that is in full contact with the liquid and does not contain any vents. As indicated in
	Table IV-C, applicant is subject to BAAQMD Regulation 8-8-302.1, which requires a
	"solid, vapor-tight, full contact cover which totally encloses the separator tank, chamber or
	basin (compartment) liquid contents, with all cover openings closed and sealed." Since no
	vents exist, there is nothing to route to a control device, so this subsection of Subpart QQQ
	does not apply.

Table IX B - 2 Permit Shield for Subsumed Requirements

S352 – COMBUSTION TURBINE

S353 – COMBUSTION TURBINE

S354 – COMBUSTION TURBINE

Subsumed	2001	OMBUSTION TURBINE	
Requirement		Streamlined	
-			
Citation	Title or Description	Requirements	Title or Description
NSPS	Install and operate a	BAAQMD 9-9-501, Permit	Per BAAQMD regulations and
Subpart GG,	continuous monitoring system to monitor and record the ratio	Condition 12122, Part 9b, Permit Condition 18629, Part	permit conditions,
40 CFR 60.334(a)	of water to fuel being fired in	IX.G.1.a., and proposed	ConocoPhillips has equipped the turbines with NOx CEMs in lieu
00.334(a)	the turbine.	Subpart GG Amendments: 40	of monitoring the water-to-fuel-
	the turbine.	CFR 60.334(b).	ratio being fired in the turbines.
		0110 00.55 ((0).	Further, proposed amendments
			to Subpart GG (FR 17990),
			allow facilities to install and
			operate a NOx CEM in lieu of
			water to fuel ratio monitoring.
NSPS	Monitor nitrogen content of the	Proposed Subpart GG	Per proposed amendments to
Subpart GG,	fuel being fired in the turbine.	Amendments: 40 CFR	Subpart GG (FR 17990),
40 CFR		60.334(h)(2).	facilities that elect to take no
60.334(b)			allowance for fuel bound nitrogen in determining the
			applicable NOx standard are not
			required to monitor nitrogen fuel
			content. ConocoPhillips will
			elect to take this approach when
			the proposed amendments
			become effective (May 29,
			2003), resulting in a revised
			NOx standard per 60.332(a)(2)
			of 150 ppmv at 15% O2 with no
NSPS	Definition of overit	DAAOMD 0 0 501 Parrait	fuel bound nitrogen monitoring.
Subpart GG,	Definition of excess nitrogen oxide emissions for purposes	BAAQMD 9-9-501, Permit Condition 12122, Part 9b,	Per proposed amendments to Subpart GG (FR 17990), the
40 CFR	of reports under 40 CFR	Permit Condition 18629, Part	definition of excess emissions is
60.334(c)(1)	60.7(c) is based on any one-	IX.G.1.a., and proposed	revised for facilities that install
	hour period during which the	Subpart GG Amendments: 40	and operate a NOx CEMS in
	average water-to-fuel ratio falls	CFR 60.334(j)(1)(iii).	lieu of water to fuel ratio
	below the water-to-fuel ratio		monitoring. The revised
	determined to demonstrate		definition is based on an
	compliance by the performance		operating hour in which the 4-
	test required in 60.8		hour rolling average NOx
			concentration as measured by
			the CEM exceeds the 60.332(a)(2) limit.
<u> </u>			00.332(a)(2) IIIIII.

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 16487):

December 1, 2003

Administrative Amendment (no application):

May 27, 2004

Reopening (Application 9296):

December 16, 2004

Minor Revision (Application 10871):

Reopening (Application 11699):

XI. 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

CEQA

California Environmental Quality Act

CEM

A "continuous emission monitor" is a monitoring device which provides a continuous record of some parameter (e.g. NOx concentration) in an exhaust steam.

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO

Carbon Monoxide

CO₂

Carbon Dioxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

DAF

A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT

Dead Weight Tons

District

The Bay Area Air Quality Management District

dscf

Dry Standard Cubic Feet

E 6, E 9, E 12

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, $4.53 ext{ E } 6$ 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.

$\mathbf{M}\mathbf{M}$

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

<u>NaOCl</u>

Sodium Hypochlorite

NESHAPs

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

NMHC

Non-methane Hydrocarbons

NMOC

Non-methane Organic Compounds (Same as NMHC)

NOx

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

02

The chemical name for naturally-occurring oxygen gas.

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

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. Glossary

XII.APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1