Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

ConocoPhillips Company – San Francisco Refinery Facility #A0016

Facility Address:

1380 San Pablo Avenue Rodeo, CA 94572

Mailing Address:

1380 San Pablo Avenue Rodeo, CA 94572

Responsible Official

Facility Contact

Rand Swenson, Refinery Manager 510 245 4415

Jennifer Ahlskog, Environmental Specialist 510 245 4439

Type of Facility: Petroleum refinery BAAQMD Engineering Division Contact:

Primary SIC: 2911 Sanjeev Kamboj

Product: Refined petroleum products

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jean Roggenkamp for Jack P. Broadbent

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

Date

TABLE OF CONTENTS

I.	STANDARD CONDITIONS	3
II.	EQUIPMENT	8
III.	GENERALLY APPLICABLE REQUIREMENTS	35
IV.	SOURCE-SPECIFIC APPLICABLE REQUIREMENTS	38
V.	SCHEDULE OF COMPLIANCE	486
VI.	PERMIT CONDITIONS	486
VII.	APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS	560
VIII.	TEST METHODS	760
IX.	PERMIT SHIELD	769
X.	REVISION HISTORY	771
XI.	GLOSSARY	773

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

I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 7/09/08);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA on 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 11/19/08);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA on 1/26/99);

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

(as amended by the District Board on 6/15/05);

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

(as approved by EPA on 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 12/21/04);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA on 1/26/99); and

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

(as amended by the District Board on 4/16/03).

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

- 1. This Major Facility Review Permit was issued on September 1, 2011, and expires on August 30, 2016. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 30, 2016 and no earlier than August 30, 2015. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate afterAugust 30, 2016. If the permit renewal has not been issued by Agust 30, 2016, 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

3

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 re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
- 8. Any records required maintained pursuant to this permit, which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
- 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B Public Information, Confidentiality of Business Information. (40 CFR Part 2)
- 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
- 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (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, MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

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

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

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

G. Compliance Certification

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

Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

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

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

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

1. [Reserved]

2. For grandfathered sources, the throughput limits as shown in Condition 20989 are based upon District records at the time of the MFR permit issuance. These throughput limits function as reporting thresholds only and exceedance of any of these limits does not constitute noncompliance with the MFR permit. As such, exceedance of a grandfathered limit is not subject to Section I.F reporting requirements. Exceedance of a grandfathered limit does not establish a presumption that a modification has occurred, nor does compliance with the limit establish a presumption that a modification has not

occurred. The facility must report any exceedance of these limits in the form of a permit application within 30 days of discovery to facilitate the determination of whether a modification has occurred. The applications shall be sent to the following address:

Air Quality Engineering Manager Bay Area Air Quality Management District 939 Ellis Street San Francisco, CA 94109 Attn: Permit Evaluation Section, Title V Reports

- 3. [Reserved]
- 4. Where an applicable requirement allows multiple compliance options and where more than one such option is incorporated into the permit, the permit holder must maintain records indicating the selected compliance option. Such records at a minimum shall indicate when any change in options has occurred. In addition, the annual compliance certification must specifically indicate which option or options were selected during the certification period. This is in addition to any recordkeeping and reporting contained in the requirement itself.
- 5. Deleted Application 12433.
- 6. Deleted Application 12433.
- 7. Deleted Application 12433.
- 8. Deleted Application 12433.

K. Accidental Release

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

II. EQUIPMENT

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
	U229, B-301 Heater	Petro-Chem	process	22 MMbtu/hr
2	(natural gas, refinery fuel gas)		heater	
	U230, B-201 Heater	Petro-Chem	process	62 MMbtu/hr
	(natural gas, refinery fuel gas,		heater	
3	naphtha)			
	U231, B-101 Heater	Braun	process	96 MMbtu/hr
4	(natural gas, refinery fuel gas)		heater	
	U231, B-102 Heater	Braun	process	104 MMbtu/hr
5	(natural gas, refinery fuel gas)		heater	
	U231, B-103 Heater	Petro-Chem	process	64 MMbtu/hr
	(natural gas, refinery fuel gas,		heater	
7	naphtha)			
	U240, B-2 Boiler	Born	process	61 MMbtu/hr
9	(natural gas, refinery fuel gas)		heater	
	U240, B-101 Heater	Foster-Wheeler	process	223 MMbtu/hr
10	(natural gas, refinery fuel gas)		heater	
	U240, B-201 Heater	Econo-Therm	process	108 MMbtu/hr
11	(natural gas, refinery fuel gas)		heater	
	U240, B-202 Heater	Econo-Therm	process	42 MMbtu/hr
12	(natural gas, refinery fuel gas)		heater	
	U240, B-301 Heater	Born	process	194 MMbtu/hr
13	(natural gas, refinery fuel gas)		heater	
	U240, B-401 Heater	Selas	process	556 MMbtu/hr
14	(natural gas, refinery fuel gas)		heater	
	U244, B-501 Heater	Alcorn	process	239.75 MMbtu/hr total
15	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-502 Heater	Alcorn	process	239.75 MMbtu/hr total
16	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-503 Heater	Alcorn	process	239.75 MMbtu/hr total
17	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-504 Heater	Alcorn	process	239.75 MMbtu/hr total
18	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-505 Heater	Alcorn	process	239.75 MMbtu/hr total
19	(natural gas, refinery fuel gas)		heater	for S15 through S19
	U244, B-506 Heater	Econo-Therm	process	23 MMbtu/hr
20	(natural gas, refinery fuel gas)	<u></u>	heater	
	U244, B-507 Heater	Econo-Therm	process	8.1 MMbtu/hr
21	(natural gas, refinery fuel gas)	<u></u>	heater	1
	U248, B-606 Heater	Econo-Therm	process	31 MMbtu/hr
22	(natural gas, refinery fuel gas)		heater	1003 0 0
•••	U200, B-5 Heater	Foster-Wheeler	process	103 MMbtu/hr
29	(natural gas, refinery fuel gas)		heater	

8

Table II A - Permitted Sources

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

U200, B-101 Heater (natural gas, refinery fuel gas) U200, B-501 Heater Petro-Chem Process heater S0 MMbtu/hr heater S1 (natural gas, refinery fuel gas) Petro-Chem Process S2 (DMMbtu/hr heater D200, B-102 Heater D200, B-102 Heater Petro-Chem Process S2.1 MMbtu/hr heater U200, B-202 Heater Process Proce	S#	Description	Make or Type	Model	Capacity
U200, B-501 Heater (natural gas, refinery fuel gas)		U200, B-101 Heater	Petro-Chem	process	50 MMbtu/hr
31	30	(natural gas, refinery fuel gas)		heater	
U200, B-102 Heater (natural gas, refinery fuel gas)		U200, B-501 Heater	Petro-Chem	process	20 MMbtu/hr
1	31	(natural gas, refinery fuel gas)		heater	
U200, B-202 Heater		U200, B-102 Heater	NA	process	82.1 MMbtu/hr
A3 (natural gas, refinery fuel gas) heater	36	(natural gas, refinery fuel gas)		heater	
U200, B-201 PCT Reboil Furnace Process heater Furnace 44 (natural gas, refinery fuel gas) U246 B-801 A/B Heater 85 MMbtu/hr				process	230 MMbtu/hr
Furnace (natural gas, refinery fuel gas) U246 B-801 A/B Heater (refinery fuel gas, natural gas) Diesel Engine (turbine S352 Allis-Chalmers 6138 435 hp Diesel Engine (turbine S353 Allis-Chalmers 6138 435 hp Diesel Engine (turbine S353 Allis-Chalmers 6138 435 hp Diesel Engine (turbine S354 Allis-Chalmers 6138 435 hp Diesel Engine (diesel fuel) Pump Station 3 CP-198 Waukesha Scania F647DSUF 258 hp Dump Station 3 CP-199 Waukesha Scania F647DSUF 258 hp Diesel Engency Engine (diesel fuel) Pump Station 4 G-201A Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-201B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-921B Caterpillar 3406 370 hp Em	43			heater	
44				~	46 MMbtu/hr
U246 B-801 A/B Heater (refinery fuel gas, natural gas) Diesel Engine (turbine S352 Startup) Diesel Engine (turbine S353 Allis-Chalmers S1 startup) Diesel Engine (turbine S354 Startup) Diesel Engine (turbine S354 Startup) Diesel Engine (turbine S354 Startup) Diesel Engine (turbine S354 Allis-Chalmers S1 startup) SPP Emergency Generator G-27 Cummins SPP Emergency Generator G-27 (diesel fuel) Pump Station 3 CP-198 Emergency Engine (diesel fuel) Pump Station 3 CP-199 Emergency Engine (diesel fuel) Pump Station 4 G-201A Emergency Engine (diesel fuel) Pump Station 4 G-201B Emergency Engine (diesel fuel) Pump Station 4 G-422A SEmergency Engine (diesel fuel) Pump Station 4 G-422A SEmergency Engine (diesel fuel) Pump Station 4 G-422B Emergency Engine (diesel fuel) Pump Station 4 G-422B SEmergency Engine (diesel fuel) Pump Station 4 G-428 Semergency Engine (diesel fuel) Pump Station 4 G-421B SEmergency Engine (diesel fuel) Pump Station 4 G-422B SEmergency Engine (diesel fuel) Pump Station 4 G-421B SEMERIAN (Sementary Engine (diesel fuel) SP8 Emergency Engine (diesel fuel) SP8 Tank 101 Sexternal floating roof SP8 Tank 101 Sexternal floating roof Storm Water Equalization Tank External floating roof Storm Water Equalization Tank External floating roof Stormwater S.5 million gal				heater	
A5 (refinery fuel gas, natural gas) Diesel Engine (turbine S352 Allis-Chalmers 6138 435 hp	44				
Diesel Engine (turbine S352 startup) Diesel Engine (turbine S353 Allis-Chalmers 6138 435 hp Diesel Engine (turbine S353 Allis-Chalmers 6138 435 hp Diesel Engine (turbine S354 Allis-Chalmers 6138 435 hp S1 startup) Diesel Engine (turbine S354 Allis-Chalmers 6138 435 hp S2 startup) SPP Emergency Generator G-27 Cummins 6B-5.9 97 hp (diesel fuel) Pump Station 3 CP-198 Waukesha Scania F647DSUF 258 hp Emergency Engine (diesel fuel) Pump Station 3 CP-199 Waukesha Scania F647DSUF 258 hp Emergency Engine (diesel fuel) Pump Station 4 G-201A Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-201B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422A Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Pump Station 4 G-422B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Pump Station 4 G-420B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Pump Station 4 G-420B Caterpillar 3406 370 hp Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) Sp8 Emergency Engine (diesel fuel) Emergen					85 MMbtu/hr
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Diesel Engine (turbine S354 startup) SPP Emergency Generator G-27 (Cummins (diesel fuel)) Pump Station 3 CP-198	- ·	-	Allis-Chalmers	6138	435 hp
SPP Emergency Generator G-27 Cummins GB-5.9 97 hp	51	1 /			1071
SPP Emergency Generator G-27 (diesel fuel) Pump Station 3 CP-198 (Maukesha Scania) Pump Station 3 CP-199 (Maukesha Scania) Pump Station 3 CP-199 (Maukesha Scania) Pump Station 3 CP-199 (Maukesha Scania) Pump Station 4 G-201A (Caterpillar) Pump Station 4 G-201B (Maukesha Scania) Pump Station 4 G-201B (Maukesha Scania (M	50		Allis-Chalmers	6138	435 hp
Storm Water Equalization Tank Scania Scania F647DSUF 258 hp	52	1	G :	CD 7.0	07.1
Pump Station 3 CP-198 Waukesha Scania F647DSUF 258 hp	52		Cummins	6B-5.9	97 hp
Storm Water Equalization Tank External floating roof Stormwater 10.6 million gal Sto	- 55	,	W11 C	EC47DGLIE	250 1
Pump Station 3 CP-199 Emergency Engine (diesel fuel) Pump Station 4 G-201A Emergency Engine (diesel fuel) Pump Station 4 G-201B Emergency Engine (diesel fuel) Pump Station 4 G-201B Emergency Engine (diesel fuel) Pump Station 4 G-201B Emergency Engine (diesel fuel) Pump Station 4 G-422A Emergency Engine (diesel fuel) Pump Station 4 G-422A Emergency Engine (diesel fuel) Pump Station 4 G-422B Emergency Engine (diesel fuel) Pump Station 4 G-422B Emergency Engine (diesel fuel) Pump Station 4 G-422B Emergency Engine (diesel fuel) Parank 100 External floating roof	5.4	•	waukesna Scania	F64/DSUF	258 np
Storm Water Equalization Tank external floating roof Storm Water Indicated I	54		Waylasha Camia	E647DCLIE	250 hm
Pump Station 4 G-201A	55	•	waukesna Scama	F04/DSUF	238 np
Seminary Engine (diesel fuel) Seminary Engine (diesel fuel	33		Catarnillar	2406	270 hp
Pump Station 4 G-201B	56	•	Caterpinal	3400	370 lip
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Pump Station 4 G-422A Emergency Engine (diesel fuel) Pump Station 4 G-422B Substitute of Emergency Engine (diesel fuel) Pump Station 4 G-422B Emergency Engine (diesel fuel) Pump Station 4 G-422B Substitute of Emergency Engine (diesel fuel) Pump Station 4 G-422B Substitute of Emergency Engine (diesel fuel) Pump Station 4 G-422B Substitute of Emergency Engine (diesel fuel) Emergency Engine (diesel fuel) External floating roof Substitute of External floating roof Petroleum of Emergency Engine (diesel fuel) Pump Station 4 G-422B Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) Pump Station 4 G-422B Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (diesel fuel) External floating roof Substitute of Emergency Engine (external floating roof Substitute of Emergency Engine (57		Caterpinal	3400	370 lip
System Water Equalization Tank Storm Water Equalization Ta	37		Caternillar	3406	370 hp
Pump Station 4 G-422B Emergency Engine (diesel fuel) 97 Tank 100 external floating roof crude oil 298 thousand bbl external floating roof petroleum liquids S98 Tank 101 S98 does not have a final permit to operate as of the date of issuance of the significant revision. This note will be removed using administrative amendment procedures when the District permits are issued. 100 Tank 103 external floating roof ship ballast 47 thousand bbl Storm Water Equalization Tank external floating roof stormwater 5.5 million gal 101 T-104 Storm Water Equalization Tank external floating roof stormwater 5.5 million gal T-105 Storm Water Equalization Tank external floating roof stormwater 10.6 million gal	58	•	Caterpinal	3400	370 lip
System Water Equalization Tank Storm Water Equalization Tank System Water Equalization Tank External floating roof System Water Equalization Tank External floating roof System Water Equalization Tank External floating roof Storm Water Equalization Tank External floating roof Stormwater Storm	- 30		Caternillar	3406	370 hn
97 Tank 100 external floating roof crude oil 298 thousand bbl 898 Tank 101 Petroleum liquids S98 does not have a final permit to operate as of the date of issuance of the significant revision. This note will be removed using administrative amendment procedures when the District permits are issued. 100 Tank 103 external floating roof ship ballast 47 thousand bbl Storm Water Equalization Tank external floating roof stormwater 101 T-104 Storm Water Equalization Tank external floating roof stormwater 102 T-105 Storm Water Equalization Tank external floating roof stormwater 103 Stormwater Equalization Tank external floating roof stormwater 104 Stormwater Equalization Tank external floating roof stormwater 105 Stormwater Equalization Tank external floating roof stormwater 106 million gal	59	•	Систрини	3400	370 пр
System Water Equalization Tank Storm			external floating roof	crude oil	298 thousand bbl
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101 T-104 Storm Water Equalization Tank external floating roof stormwater 5.5 million gal				_	
Storm Water Equalization Tank external floating roof stormwater 5.5 million gal T-105 Storm Water Equalization Tank external floating roof stormwater 10.6 million gal	101				- G
102 T-105 Storm Water Equalization Tank external floating roof stormwater 10.6 million gal			external floating roof	stormwater	5.5 million gal
Storm Water Equalization Tank external floating roof stormwater 10.6 million gal	102				
		•	external floating roof	stormwater	10.6 million gal
100 1-130	106	T-130			

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity				
107	Tank 150	external floating roof	crude oil	68 thousand bbl				
		external floating roof	crude oil,	4.2 million gal				
			gas oil,					
110	Tank 155		distillate oil					
111	Tank 156	external floating roof	crude oil	100 thousand bbl				
112	Tank 157	external floating roof	crude oil	100 thousand bbl				
113	Tank 158	external floating roof	crude oil	101 thousand bbl				
114	Tank 159	external floating roof	crude oil	136 thousand bbl				
115	Tank 160	external floating roof	naphtha	75 thousand bbl				
118	Tank 163	fixed roof	lube oil	5,300 gal				
122	Tank 167	external floating roof	naphtha	3.1 million gal				
123	Tank 168	external floating roof	naphtha	75 thousand bbl				
124	Tank 169	external floating roof	naphtha	75 thousand bbl				
125	Tank 170	external floating roof	naphtha	75 thousand bbl				
		internal floating roof	naphtha,	75 thousand bbl				
126	Tank 172	tank with dome roof	MTBE					
		external floating roof	crude oil,	76 thousand bbl				
128	Tank 174		naphtha					
129	Tank 180	external floating roof	naphtha	76 thousand bbl				
133	API Waste Oil Tank T-193	external floating roof	waste oil	22 thousand bbl				
134	API Waste Oil Tank T-194	external floating roof	waste oil	22 thousand bbl				
		Fixed roof	Petroleum	79 thousand bbl				
			liquids to					
135	Tank 200		11 psia					
		Fixed roof	Petroleum	88 thousand bbl				
105	T. 1 202		liquids to					
137	Tank 202	E: 1 C	11 psia	01.4 1111				
120	Tank 204 (also oil-water	Fixed roof	Sour water,	81 thousand bbl				
139	separator) Tank 205 (also oil-water	Fixed roof	distillate oil Sour water,	54 thousand bbl				
140	1	Fixed fool		54 thousand ddi				
140	separator) Tank 241	external floating roof	naphtha	79 thousand bbl				
150	Tank 241	external floating roof	gasoline gasoline	75 thousand bbl				
131	1 alik 242	Fixed roof	Non-	39 thousand bbl				
		1.1760 1001	phenolic	57 HIOUSAHU OOI				
168	Tank 269		water					
173	Tank 280	Fixed roof	Gas oil	134 thousand bbl				
173	Tank 281	Fixed roof	Gas oil	134 thousand bbl				
	Tank 284	Fixed rood		134 thousand bbl				
	175 Tank 284 Fixed rood Gas oil 134 thousand bbl S168, S173, S174, S175 do not have a final permit to operate as of the date of issuance of the significant							
revision. This note will be removed using administrative amendment procedures when the District permits								
are issu		assimilation of unfolidified	Procedures W	are District permits				
177	Tank 287	external floating roof	gasoline	104 thousand bbl				
178	Tank 288	external floating roof	diesel	104 thousand bbl				
170				- 5 . 010 0000114 001				

10

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
182	Tank 294	fixed roof	naphtha	40 thousand bbl
183	Tank 295	external floating roof	naphtha	13 thousand bbl
184	Tank 296	external floating roof	naphtha	70 thousand bbl
186	Tank 298	external floating roof	naphtha	47 thousand bbl
194	Tank 306	fixed roof	dye	2,000 gal
195	Water Treatment Sludge Tank T-501	fixed-roof	sludge	2,500 bbl
196	Water Treatment Sludge Tank T-502	fixed-roof	sludge	2,500 bbl
216	Tank 695	external floating roof	naphtha	2.0 million gal
239	Stripped Foul Water Tank T- 212	fixed-roof	sour water	10,000 bbl
254	Tank 1001	external floating roof	gasoline	104 thousand bbl
255	Tank 1002	external floating roof	gasoline	104 thousand bbl
256	Tank 1003	external floating roof	gasoline	104 thousand bbl
257	Tank 1004	internal floating roof tank with dome roof	gasoline	104 thousand bbl
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 MMbtu/hr pilot
300	U200 Delayed Coker	delayed coker	NA	81,000 bbl/day
301	Molten Sulfur Pit 234	NA	NA	271 long ton/day for S301, S302, S303
302	Molten Sulfur Pit 236	NA	NA	271 long ton/day for S301, S302, S303
303	Molten Sulfur Pit 238	NA	NA	271 long ton/day for S301, S302, S303
304	Light Naphtha Hydrotreater	NA	NA	12,198 bbl/day
305	U230 Prefractionator/Naphtha Hydrotreater	NA	NA	28,000 bbl/day
306	U231 Platforming Unit	NA	NA	21,000 bbl/day
307	U240 Unicracking Unit	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
	U76 Gasoline/Mid Barrel	NA	NA	113,150 bbl/day petroleum fluids except diesel,
318	Blending Unit			No daily limit for diesel

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
	U215 Gasoline Fractionating	NA	NA	9,600 bbl/day
319	Unit			,
		NA	NA	throughput limited at
				specific tanks, process
322	U40 Raw Materials Receiving			units
		NA	NA	7,500 gpm during media
	U100 API Oil Wastewater			filter backwash and 7,000
22.4	Separator (with outlet channel			gpm during all other
324	cover)	1.77		times
334	Tank 107	external floating roof	crude oil	180 thousand bbl
226	U231 B-104 Heater	Foster-Wheeler	process	111 MMbtu/hr
336	(natural gas, refinery fuel gas)	E 4 WI 1	heater	24 MMhtu/hu
337	U231 B-105 Heater	Foster-Wheeler	process heater	34 MMbtu/hr
338	(natural gas, refinery fuel gas) U233 Fuel Gas Center		Heater	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
343	1 dik 210	atmospheric/vacuum	gasonne	36,000 bbl/day
350	U267 Crude Distillation Unit	towers		30,000 001/day
	U267 B-601/602 Tower Pre-	10 11 21 5		95 MMbtu/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 MMbtu/hr
255	Burners			
355	(natural gas, refinery fuel gas)			175 100 (1 / /
	Supplemental Firing Duct Burners	Coen		175 MMbtu/hr
356	(natural gas, refinery fuel gas)			
330	Supplemental Firing Duct	Coon		175 MMbtu/hr
	Burners	Coen		1,5 miniota/iii
357	(natural gas, refinery fuel gas)			
360	Mid-Barrel Tank 223	fixed roof	distillate oil	110 thousand bbl
370	U228 Isomerization Unit			460 bbl/hr
	U228 B-520 (Adsorber Feed)	Selas		58 MMbtu/hr for S371,
	Furnace			372
371	(natural gas, refinery fuel gas)			

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity
	U228 B-521 (Hydrogen Plant)	Selas		58 MMbtu/hr for S371,
	Furnace			372
372	(natural gas, refinery fuel gas)			
376	Tool Room Cold Cleaner	Build-All	DM-32	29 gal
377	Machine Shop Cold Cleaner	Build-All	DM-32	29 gal
378	Auto Shop Cold Cleaner	Snap-On	DM-226	18 gal
380	Activated Carbon Silo (P-204)	_		50,000 lb
381	Aeration Tank, Pact (F-201)	wastewater	100 ft dia	1.2 million gal
382	Aeration Tank, Pact (F-202)	wastewater	100 ft dia	1.2 million gal
383	Clarifier, F-203	wastewater	95 ft dia	0.69 million gal
384	Clarifier (F-204)	wastewater	95 ft dia	0.69 million gal
385	Media Filter (F271-F278)	wastewater		420 thousand gal/hr
	PAC Regeneration Sludge		25 ft dia	44,000 gal
386	Thickener (F-211)			
387	Wet Air Regeneration (P-202)	Zimpro		15 gpm
	Water Treatment Sludge Tanks	30 ft dia by 24 ft		3,500 bbl
388	(T276, F205)	12 ft dia by 24 ft		
389	Diatomaceous earth silo (F-214)	•		40,000 lb
	F-106 Thickened Sludge	15 ft diameter open tank		38,000 gal
390	Storage	_		
	Regenerated PAC Slurry	fixed roof		42,000 gal
392	Storage Tank F-266			
	MP-30 Flare (backup refinery	John Zink	Q5-48C	845 ton/hr gas handling
398	flare, elevated, steam-assisted,			capacity, 3.1 MMbtu/hr
	serves S304, S305, S306)			pilot
	Wet Weather Wastewater Sump	32 ft x 36 ft x 23 ft deep		175 thousand gal
400	(with vented cover)			
	Dry Weather Wastewater Sump	33 ft x 25 ft x 26 ft deep		150 thousand gal
401	(with vented cover)			
		2 permitted arms		Products: 25,000 bbl/day
				annual average for S425,
				S426 total;
				Crude oil: 30,000 bbl/day
				annual average for S425,
425	Marine Loading Berth M1			S426 total
		4 permitted arms		Products: 25,000 bbl/day
				annual average for S425,
				S426 total;
				Crude oil: 30,000 bbl/day
126	Marina Landina D. d. MO			annual average for S425,
426	Marine Loading Berth M2			S426 total
432	U215 Deisobutanizer	C 1 C		7,600 bbl/day
433	MOSC Storage Tank	fixed roof		30,000 gal

13

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity	
	U246 High Pressure Reactor			23,000 bbl/day	
434	Train (Cracking)				
S434 do	pes not have a final permit to opera	te as of the date of issuan	ce of the signif	icant revision. This note	
	removed using administrative amer				
435	Reformate Splitter			18,100 bbl/day	
436	Deisopentanizer			13,400 bbl/day	
437	Hydrogen Manufacturing Unit			28.5 million scf/day	
	U110, H-1 (H2 Plant	John Zinc PFFG	reforming	250 MMbtu/hr	
	Reforming) Furnace	burners	furnace		
	(natural gas, refinery fuel gas,				
438	PSA offgas)				
		external floating roof	gasoline,	161 thousand bbl	
439	Tank 109		others		
440	Tank 110 (Alkylate)	external floating roof	alkylate	161 thousand bbl	
		external floating roof	gasoline,	161 thousand bbl	
442	Tank 112		others		
		external floating roof	gasoline,	113 thousand bbl	
444	Tank 243		others		
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	
		internal floating roof	gasoline,	243 thousand bbl	
	Tank 1007 (Blendstock		diesel,		
448	Receiving)		others		
449	Tank 285 (Cracked Naphtha)	fixed roof	naphtha	189 thousand bbl	
			ground-	3 gpm continuously	
	Groundwater Extraction		water		
450	Trenches		remediation		
453	U236 Cooling Tower	Induced draft	Unknown	13,500 gpm	
455	U240 Cooling Tower	Induced draft	Unknown	33,000 gpm	
460	U250 Diesel Hydrotreater	NA	NA	35,000 bbl/day	
	U250, B-701 Heater	NA	process	50.2 MMbtu/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				
464	U-240 Hydrogen Plant			70 MMscf/day	
S464 is not a new source. It was originally permitted as part of S307. It is being given its own source					
number					
465	Molten Sulfur Pit	NA	NA	200 long ton/day	
503	Sulfur Storage Tank			950 long tons sulfur	
504	Sulfur Degassing			400 long tons/day sulfur	
505	Sulfur Truck Loading Rack			200 gpm sulfur	

14

Table II A - Permitted Sources

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

S#	Description	Make or Type	Model	Capacity				
S465, S	S465, S503, S504, and S505 do not have a final permit to operate as of the date of issuance of the significant							
revision	revision. This note will be removed using administrative amendment procedures when the District permits							
are issu	ed.							
		fixed roof	heavy	80 thousand bbl				
506	Tank 257		unicrackate					
	Sulfur Plant Unit 234 (including		Claus	271 long ton/day for				
1001	aux. burner)			S1001, S1002 and S1003				
	Sulfur Plant Unit 236 (including		Claus	271 long ton/day for				
1002	aux. burner, water stripper)			S1001, S1002 and S1003				
	Sulfur Plant Unit 238 (including		Claus	271 long ton/day for				
1003	aux. burner)			S1001, S1002 and S1003				
				7,500 gpm during media				
				filter backwash and 7,000				
	U100 Dissolved Air Flotation			gpm during all other				
1007	Unit (with fixed roof)			times				
	U100 Primary Stormwater			2.3 MMgal				
1008	Basin							
1009	U100 Main Stormwater Basin			7.2 MMgal				
	Sulfur Plant Unit 235 (including		Claus	200 long ton/day				
1010	aux. burner)							

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 (Beavon-	tailgas.	9-1-313.2 and		refinery fuel
	Stretford)	S301	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
1	Sulfur Plant Tail-Gas	S1001	BAAQMD	none	0.08 grain/dscf
	Treatment Plant (Beavon-	tailgas.	6-1-330 and		exhaust
	Stretford)	S301	SIP 6-330		concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
1	Sulfur Plant Tail-Gas	S1001	40 CFR	none	SO2 < 250
	Treatment Plant (Beavon-	tailgas.	60.104(a)(2)(i)		ppm at 0% O2
	Stretford)	S301			
1	Sulfur Plant Tail-Gas	S1001	40 CFR	none	SO2 < 250
	Treatment Plant (Beavon-	tailgas.	63.1568(a)(1)		ppm at 0% O2
	Stretford)	S302	(i)		
2	Sulfur Plant Tail-Gas	S1002	BAAQMD	none	95% of H2S in
	Treatment Plant (Beavon-	tailgas.	9-1-313.2 and		refinery fuel
	Stretford)	S302	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 (Beavon-	tailgas.	6-1-330 and		exhaust
	Stretford)	S302	SIP 6-330		concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
2	Sulfur Plant Tail-Gas	S1002	40 CFR	none	SO2 < 250
	Treatment Plant (Beavon-	tailgas.	60.104(a)(2)(i)		ppm at 0% O2
	Stretford)	S302			
2	Sulfur Plant Tail-Gas	S1002	40 CFR	none	SO2 < 250
	Treatment Plant (Beavon-	tailgas.	63.1568(a)(1)		ppm at 0% O2
	Stretford)	S302	(i)		
3	Sulfur Plant Tail-Gas	S1003	BAAQMD	none	95% of H2S in
	Treatment Plant (Beavon-	tailgas.	9-1-313.2 and		refinery fuel
	Stretford)	S303	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 (Beavon-	tailgas.	6-1-330 and		exhaust
	Stretford)	S303	SIP 6-330		concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
3	Sulfur Plant Tail-Gas	S1003	40 CFRS	none	SO2< 250 ppm
	Treatment Plant (Beavon-	tailgas.	60.104(a)(2)(i)		at 0% O2
	Stretford)	S303			
3	Sulfur Plant Tail-Gas	S1003	40 CFR	none	SO2< 250 ppm
	Treatment Plant (Beavon-	tailgas.	63.1568(a)(1)		at 0% O2
	Stretford)	S303	(i)		
4	SCR System	S43	BAAQMD	NOx, O2 CEMs	40 ppmv NOx
			Condition		at 3% O2 (over
			1694		8-hr period)
					except at
					startup and
					shutdown
4	SCR System	S43	BAAQMD	none	50 ppmv CO at
			Condition		3% O2
			1694		(monthly
					average)
					except at
					startup and
					shutdown
6	SCR System	S351	BAAQMD	NOx, O2 CEMs	20 ppmv NOx
			Condition		at 3% O2 (over
			1694		3-hr period)
					except at
					startup and
					shutdown

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System (4	Tanks	BAAQMD	none	nuisance odors
	electrically driven	S135,	7-301, 7-302,		
	compressors)	S137.	7-303		
		S139,			
		S140,			
		S168,			
		S173,			
		S174,			
		S175,			
		S182,			
		S388,			
		S433,			
		S445,			
		S446,			
		S447, S506			
		(Source			
		S173 to be			
		controlled			
		by A7 in			
		future)			
7	Vapor Recovery System (4	S135,	BAAQMD	None	95% overall
	electrically driven	S137,	8-5-306		control of
	compressors)	S139,			emissions
		S140,			
		S168,			
		S173,			
		S174,			
		S175,			
		S182,			
		S360,			
		S449, S506			
		(Sources			
		S168,			
		S173, and			
		S174 to be			
		controlled			
		by A7 in			
		future)			

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System (4	S449	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		11219		fuel gas system
7	Vapor Recovery System (4	S433	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		7353		fuel gas system
7	Vapor Recovery System (4	S445	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12130		fuel gas system
7	Vapor Recovery System (4	S446	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12131		fuel gas system
7	Vapor Recovery System (4	S447	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		12132		fuel gas system
7	Vapor Recovery System (4	S182	BAAQMD	None	vent emissions
	electrically driven		Condition		to the refinery
	compressors)		13184		fuel gas system

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
7	Vapor Recovery System	S135,	BAAQMD	Pressure	Various
	(4 electrically driven	S137,	Condition		pressure
	compressors)	S139,	23724		settings
		S140,			between 1.5
		S148,			and 2.2 inches
		S168,			of water
		S173,			
		S174,			
		S175,			
		S182,			
		S360,			
		S445,			
		S449,			
		S506, Tank			
		235, Tank			
		236			
		(Sources			
		S168,			
		S173, and			
		S174 to be			
		controlled			
		by A7 in			
		future)			
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
			6-1-330 and		exhaust
			SIP 6-330		concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
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-
					wide basis
9	Stretford Evaporative Cooler		BAAQMD	none	0.08 grain/dscf
			6-1-330 and		exhaust
			SIP 6-330		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
			6-1-330 and		exhaust
			SIP 6-330		concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
13	SCR System	S352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S355	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					S357; 528
					lb/day NOx per
					turbine/duct
					burner set

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
13	SCR System	S352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S355	Condition		(3 hr average),
			12122, Part 9b		79.8 ton/yr
			(effective		NOx at S352-
			when offsets		S357; 528
			are required		lb/day NOx per
			pursuant to		turbine/duct
			Application		burner set
			13424		
13	SCR System	S352,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S355	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-S357
13	SCR System	S352	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301 and	(or CO2) CEM	15% O2
			SIP 9-9-301		
14	SCR System	S353,	BAAQMD	NOx CEM	66 lb/hr NOx
		S356	Condition		(3 hr average),
			12122, Part 9a		167 ton/yr
					NOx at S352-
					S357; 528
					lb/day NOx per
					turbine/duct
					burner set
14	SCR System	S352,	BAAQMD	NOx CEM	66 lb/hr NOx
		S355	Condition		(3 hr average),
			12122, Part 9b		79.8 ton/yr
			(effective		NOx at S352-
			when offsets		S357; 528
			are required		lb/day NOx per
			pursuant to		turbine/duct
			Application		burner set
			13424		

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
14	SCR System	S353,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S356	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-S357
14	SCR System	S353	BAAQMD	NOx, CO, and O2 or	9 ppmv NOx at
			9-9-301 and	CO2 CEM	15% O2
			SIP 9-9-301		
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-
					S357; 528
					lb/day NOx per
					turbine/duct
					burner set
15	SCR System	S354,	BAAQMD	NOx CEM	66 lb/hr NOx
		S357	Condition		(3 hr average),
			12122, Part 9b		79.8 ton/yr
			(effective		NOx at S352-
			when offsets		S357; 528
			are required		lb/day NOx per
			pursuant to		turbine/duct
			Application		burner set
			13424		
15	SCR System	S354,	BAAQMD	CO, O2 CEMs	39 ppmv @
		S357	Condition		15% O2 (30-
			12122, Part 7		day average)
			and 10a		per
					turbine/duct
					burner set; 200
					ton/yr CO at
					S352-S357

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
15	SCR System	S354	BAAQMD	NOx, CO, and O2	9 ppmv NOx at
			9-9-301 and	(or CO2) CEM	15% O2
			SIP 9-9-301	, ,	
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		
			6-1-301		
			6-1-305		
			6-1-310		
			6-1-311		
			SIP		
			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		
			6-1-301		
			6-1-305		
			6-1-310		
			6-1-311		
			SIP		
			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	7 ppmv NOx at
			Condition		3% O2 (1-hr
			1694, Part E		average)
46	SCR System	S438	BAAQMD	none	32 ppmv CO at
			Condition		3% O2 (daily
			1694, Part E		average)
47	SCR System	S45	BAAQMD	CEM	5 ppmv NOx at
			Condition		3% O2 (1-hr
			22962, part 4a		average)
47	SCR System	S45	BAAQMD	CEM	2.3 tons/yr
			Condition		
			22962, part 4a		
48	Tail gas treatment unit	S1010	BAAQMD	None	95% of H2S in
			9-1-313.2 and		refinery fuel
			SIP		gas is removed
			9-1-313.2		and recovered
					on a refinery-
					wide basis

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
48	Tail gas treatment unit	S1010	BAAQMD	None	0.08 grain/dscf
			6-1-330		exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
48	Tail gas treatment unit	S1010	40 CFR	None	SO2 < 250
			60.104(a)(2)(i)		ppm at 0% O2
48	Tail gas treatment unit	S1010	40 CFR	None	SO2 < 250
			63.1568(a)(1)		ppm at 0% O2
			(i)		
48	Tail gas treatment unit	S1010	BAAQMD	None	SO2 < 50
			Condition		ppmv @ 0%
			23125, part 7a		O2
48	Tail gas treatment unit	S1010	BAAQMD	None	SO2 < 29.7
			Condition		tons per year
			23125,		
			part 11a		
49	DAF (S1007) Thernal	S1007,	BAAQMD	Temperature to be	44 tons per
	Oxidizer (440,000 btu/hr,	S324	Condition	determined	year VOC
	natural gas and		1440, part 7a		reduction
	approximately 200,000				
	btu/hr in organic vapors)				
50	Hydrogen Plant Vent	S464	BAAQMD	None	15 lb/day POC
	Scrubber		8-2-301		from emission
					streams with
					more than 300
					ppm total
					carbon
51	DAF (S1007) Carbon Bed	S1007,	BAAQMD	FID	10 ppm VOC
		S324	Condition		or 98%
			1440, part 7c		reduction of
					VOC
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	Temperature:	2 pounds POC
	Oxidizer	S426	8-44-304,	> 1300 F. for first 15	per 1,000 bbl
	(30 MMbtu/hr)		SIP	minutes;	loaded OR at
			8-44-301	< 1400 F. for rest of	least 95% by
				loading event	weight
					reduction of
					POC emissions
420	Marine Terminal Thermal	S425	40 CFR	H2S concentration	fuel gas H2S
	Oxidizer	S426	60.104(a)(1)		concentration
					limited to 230
					mg/dscm (0.10
					gr/dscf)
			NSPS 40 CFR	None	None
			60 Subpart A		
420	Marine Terminal Thermal	S425	BAAQMD	Temperature:	At least 98.5%
	Oxidizer	S426	Condition	> 1300 F. for first 15	by weight
			4336, part 9	minutes;	reduction of
				< 1400 F. for rest of	POC emissions
				loading event	for loading of
					gasoline,
					gasoline
					blending
					stocks, aviation
					gas, aviation
					fuel (JP-4
					type), and
					crude oil
421	Tail-Gas Incinerator (19.5	A1	BAAQMD	none	Ringelmann 1
	MMbtu/hr, RFG)		6-1-301		for < 3 min/hr
			SIP		
			6-301		
421	Tail-Gas Incinerator (19.5	A1	BAAQMD	none	0.15 gr/dscf
	MMbtu/hr, RFG)		6-1-310		
			SIP		
			6-310		

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
421	Tail-Gas Incinerator (19.5	A1	BAAQMD	none	4.10P ^{0.67} lb/hr,
	MMbtu/hr, RFG)		6-1-311		where P is
					process weight,
			SIP		ton/hr
			6-311		
421	Tail-Gas Incinerator (19.5	A1	BAAQMD	none	0.08 grain/dscf
	MMbtu/hr, RFG)		6-1-330		exhaust
					concentration
			SIP		of SO3 and
			6-330		H2SO4,
					expressed as
					100% H2SO4
421	Tail-Gas Incinerator (19.5	A1	40 CFR	none	SO2 < 250
	MMbtu/hr, RFG)		60.104(a)(2)(i)		ppm at 0% O2
421	Tail-Gas Incinerator (19.5	A1	40 CFR	none	SO2 < 250
	MMbtu/hr, RFG)		63.1568(a)(1)		ppm at 0% O2
			(i)		
422	Tail-Gas Incinerator (19.5	A2	BAAQMD	none	Ringelmann 1
	MMbtu/hr, RFG)		6-1-301		for < 3 min/hr
			ar-		
			SIP		
122	T '1 C I ' (10 5	4.2	6-301		0.15 /1 6
422	Tail-Gas Incinerator (19.5	A2	BAAQMD	none	0.15 gr/dscf
	MMbtu/hr, RFG)		6-1-310		
			SIP		
			6-310		
422	Tail-Gas Incinerator (19.5	A2	BAAQMD	none	4.10P ^{0.67} lb/hr,
422	MMbtu/hr, RFG)	A2	6-1-311	none	where P is
	IVIIVIUIU/III, KFU)		0-1-311		process weight,
			SIP		ton/hr
			6-311		WII/III
			0-311		

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
422	Tail-Gas Incinerator (19.5	A2	BAAQMD	none	0.08 grain/dscf
	MMbtu/hr, RFG)		6-1-330		exhaust
					concentration
			SIP		of SO3 and
			6-330		H2SO4,
					expressed as
					100% H2SO4
422	Tail-Gas Incinerator (19.5	A2	40 CFR	none	SO2 < 250
	MMbtu/hr, RFG)		60.104(a)(2)(i)		ppm at 0% O2
422	Tail-Gas Incinerator (19.5	A2	40 CFR	none	SO2 < 250
	MMbtu/hr, RFG)		63.1568(a)(1)		ppm at 0% O2
			(i)		
423	Tail-Gas Incinerator (19.5	A3	BAAQMD	none	Ringelmann 1
	MMbtu/hr, RFG)		6-1-301		for < 3 min/hr
			SIP		
			6-301		
423	Tail-Gas Incinerator (19.5	A3	BAAQMD	none	0.15 gr/dscf
	MMbtu/hr, RFG)		6-1-310		
			SIP		
			6-310		
423	Tail-Gas Incinerator (19.5	A3	BAAQMD	none	4.10P ^{0.67} lb/hr,
	MMbtu/hr, RFG)		6-1-311		where P is
					process weight,
			SIP		ton/hr
			6-311		
423	Tail-Gas Incinerator (19.5	A3	BAAQMD	none	0.08 grain/dscf
	MMbtu/hr, RFG)		6-1-330		exhaust
					concentration
			SIP		of SO3 and
			6-330		H2SO4,
					expressed as
					100% H2SO4
423	Tail-Gas Incinerator (19.5	A3	40 CFR	none	SO2 < 250
	MMbtu/hr, RFG)		60.104(a)(2)(i)		ppm at 0% O2

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
423	Tail-Gas Incinerator (19.5	A3	40 CFR	none	SO2 < 250
	MMbtu/hr, RFG)		63.1568(a)(1)		ppm at 0% O2
			(i)		
424	Tail-Gas Incinerator (18	A48	6-1-301	none	Ringelmann 1
	MMbtu/hr, natural gas)				for < 3 min/hr
424	Tail-Gas Incinerator (18	A48	6-1-310	none	0.15 gr/dscf
	MMbtu/hr, natural gas)				
424	Tail-Gas Incinerator (18	A48	6-1-311	none	40 lb/hr
	MMbtu/hr, natural gas)				
424	Tail-Gas Incinerator (19.5	A48	6-1-330	none	0.08 grain/dscf
	MMbtu/hr, natural gas)				exhaust
					concentration
					of SO3 and
					H2SO4,
					expressed as
					100% H2SO4
424	Tail-Gas Incinerator (19.5	A48	40 CFR	CEM	SO2 < 250
	MMbtu/hr, natural gas)		60.104(a)(2)(i)		ppm at 0% O2
424	Tail-Gas Incinerator (19.5	A48	40 CFR	CEM	SO2 < 250
	MMbtu/hr, natural gas)		63.1568(a)(1)		ppm at 0% O2
			(i)		
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	CEM	SO2 < 50
	MMbtu/hr, natural gas)		Condition		ppmv @ 0%
			23125, part 7a		O2
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	CEM	SO2 < 29.7
	MMbtu/hr, natural gas)		Condition		tons per year
			23125, part		
			11a		
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	CEM	CO < 75
	MMbtu/hr, natural gas)		Condition		ppmvd @ 7%
			23125, part 7a		O2
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	CEM	CO < 37.9 ton
	MMbtu/hr, natural gas)		Condition		per year
			23125, part		
			11c		
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	Temperature to be	H2S < 2.5
	MMbtu/hr, natural gas)		Condition	determined	ppmv @ 0%
			23125, part 8b		O2

Table II B – Abatement Devices

		Source(s)	Applicable	Operating	Limit or
A #	Description	Controlled	Requirement	Parameters	Efficiency
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	Temperature to be	H2S < 0.23
	MMbtu/hr, natural gas)		Condition	determined	lb/hr
			23125, part 9b		
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	Temperature to be	H2S < 0.975
	MMbtu/hr, natural gas)		Condition	determined	tons per year
			23125, part		
			11h		
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	Temperature to be	Total Reduced
	MMbtu/hr, natural gas)		Condition	determined	Sulfur < 10
			23125, part 11i		tons per year
424	Tail-Gas Incinerator (19.5	A48	BAAQMD	Temperature to be	Reduced
	MMbtu/hr, natural gas)		Condition	determined	Sulfur
			23125, part 11j		Compounds <
					10 tons per
					year
461	SCR System	S461	BAAQMD	NOx, O2 CEM	10 ppmv NOx
			Condition		at 3% O2 (3-hr
			21096		average)
S1003	Sulfur Plant Unit 238	S503,	BAAQMD	None	
		S504, S505	Condition		
			23125, part 4		
S1010	Sulfur Plant Unit 235	S503,	BAAQMD	None	
		S504, S505	Condition		
			23125, part 4		
S1010	Sulfur Plant Unit 235	Steam	BAAQMD	None	NH3 < 12.5
		strippers at	Condition		ppmv @ 7%
		SRUs	23125, part 8a		O2, 24-hr basis
S1010	Sulfur Plant Unit 235	Steam	BAAQMD	None	NH3 < 0.88
		strippers at	Condition		lb/hr
		SRUs	23125, part 9c		
S1010	Sulfur Plant Unit 235	Steam	BAAQMD	None	NH3 < 3.85
		strippers at	Condition		tons per year
		SRUs	23125, part 9c		

Table II C – Significant Sources

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

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

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
69	Propane Loading Rack	BAAQMD 2-1-123.3.1
70	Butane Loading Rack	BAAQMD 2-1-123.3.1
71	Wax & Lube Oil Loading Rack (Tank Cars)	BAAQMD 2-1-123.3.4, BAAQMD 2-1-123.3.6
72	Wax Loading Rack (Trucks)	BAAQMD 2-1-123.3.6
73	Lube Oil Loading Rack (Trucks)	BAAQMD 2-1-123.3.4
90	Tank 67	BAAQMD 2-1-123.3.2
91	Tank 73	BAAQMD 2-1-123.3.6
94	Tank 78	BAAQMD 2-1-123.3.10
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
136	Tank 201	BAAQMD 2-1-123.3.2
138	Tank 203	BAAQMD 2-1-123.3.3
141	Tank 213	BAAQMD 2-1-123.3.6
142	Tank 214	BAAQMD 2-1-123.3.6
143	Tank 215	BAAQMD 2-1-123.3.6
144	Tank 216	BAAQMD 2-1-123.3.6
145	Tank 217	BAAQMD 2-1-123.3.4
148	Tank 231	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.9
149	Tank 232	BAAQMD 2-1-123.2, BAAQMD 2-1-123.3.9
157	Tank 252	BAAQMD 2-1-123.3.6

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
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
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
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

Table II D – Sources Exempt from Permit Requirements

S#	Description	Basis for Exemption
260	Tank 1009	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
262	Tank 1011	BAAQMD 2-1-123.3.3
263	Tank 1012	BAAQMD 2-1-123.3.3
266	Tank 1345	BAAQMD 2-1-123.3.4
267	Tank 1346	BAAQMD 2-1-123.3.4
286	Tank F3	BAAQMD 2-1-123.3.3
287	Tank F10	BAAQMD 2-1-123.3.4
293	Tank F805	BAAQMD 2-1-123.3.3
427	Marine Loading Berth B2	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
428	Marine Loading Berth B3	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
429	Marine Loading Berth B4	BAAQMD 2-1-123.3.2, BAAQMD 2-1-123.3.3
452	U230 Cooling Tower	BAAQMD 2-1-128.4
456	U110 Cooling Tower	BAAQMD 2-1-128.4
457	U228 Cooling Tower	BAAQMD 2-1-128.4
458	U200 Cooling Tower	BAAQMD 2-1-128.4
500	ULSD 220/250 Cooling Tower	BAAQMD 2-1-128.4
Tank	Stripped Water Tank	BAAQMD 2-1-123.2
235		
Tank	Stripped Water Tank	BAAQMD 2-1-123.2
236		

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with <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

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (7/09/08)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (11/19/08)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y – note 1
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 2	New Source Review (6/15/05)	N

III. Generally Applicable Requirements

Table III Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (12/21/04)	N
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 6	Major Facility Review (4/16/03)	N
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 2, Rule 9	IERCs (6/15/05)	N
BAAQMD Regulation 3	Fees (12/3/08)	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 (7/09/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y - note 1
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/05/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/04/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations	Y
	(7/20/05)	
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface	Y
	Coating Operations (10/16/02)	
BAAQMD Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization	Y-note 2
	(1/21/04)	
SIP Regulation 8, Rule 10	Organic Compounds – Pressure Vessel Depressurization	Y
	(10/3/84)	
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil	Y
	and Removal of Underground Storage Tanks (6/15/05)	
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor	Y
	Extraction Operations (6/15/05)	
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	N
	(7/17/02)	
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products	Y - note 1
	(2/26/02)	

36

III. Generally Applicable Requirements

Table III Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 11, Rule 10	Hazardous Pollutants – Hexavalent Chromium Emissions from Cooling Towers (11/15/89)	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, Condition 20989, part B)	N
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (12/28/07)	Y
Subpart F, 40 CFR 82.156	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.

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

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

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

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-544	Monthly Summary	Y	
BAAQMD	General Requirements (11/19/08)		
Regulation 2,			
Rule 1	E 1 1E 1 1 (0.4 (12/21/04)	N.	
2-1-429 SIP	Federal Emissions Statement (12/21/04) General Requirements (1/26/91)	N	
Regulation 2,	General Requirements (1/20/71)		
Rule 1			
2-1-429	Federal Emissions Statement	Y	
BAAQMD	Particulate Matter –General Requirements(12/05/07))		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-310.3	Heat transfer operations	N	
6-1-311	Process Weight Rate Limits	Y	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/04/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-310.3	Heat transfer operations	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Organic Compounds, Miscellaneous Operations (7/20/05)		
Regulation 8,			
Rule 2			
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day	Y	
	and 300 ppm total carbon on a dry basis		
BAAQMD	General Solvent and Surface Coating Operations (10/16/02)		
Regulation 8,			
Rule 4			
8-4-302	Solvent and Surface Coating Operations	N	
8-4-312	Solvent Evaporative Loss Minimization	N	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-4-501	Recordkeeping Requirements	Y	
SIP	General Solvent and Surface Coating Operations (12/23/97)		
Regulation 8,			
Rule 4			
8-4-302	Solvent and Surface Coating Operations	Y-note 1	
BAAQMD	Storage of Organic Liquids (10/18/06)		
Regulation 8,			
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	N	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission	N	
	control system in 8-5-306.2 does not apply if facility is subject to		
	BAAQMD 8-18		
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring	N	
	Program		
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters; Use 90%	N	
	abatement device		
8-5-331	Tank cleaning requirements; 90% Abatement efficiency if	N	
	abatement device used		
8-5-331.1	Tank cleaning requirements; Cleaning materials properties	N	
8-5-331.2	Tank cleaning requirements; Steam cleaning prohibition	N	
8-5-331.3	Tank cleaning requirements; Steam cleaning exceptions	N	
8-5-332	Sludge Handling Requirements (applies to sludge removed from	N	
	any tank that was subject to BAAQMD 8-5 at any time since it was		
	last put in service)		
8-5-332.1	Sludge Handling Requirements; sludge container no leaks	N	
8-5-332.2	Sludge Handling Requirements; sludge container gap requirements	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test	N	
	Reports		
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of	N	
	tanks selected for enhanced monitoring program		
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating	N	
	enhanced monitoring program		
8-5-501	Records	N	
8-5-501.3	Records; Retention	N	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-501.4	Records; New PV setpoints	N	
8-5-502	Source test requirements and exemption for sources vented fuel gas	N	
8-5-502.2	Source test requirements; Tank degassing and cleaning abatement devices	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-606	Analysis of samples, Tank Cleaning Agents	N	
8-5-606.1	Analysis of samples, Tank Cleaning Agents; Initial Boiling Point	N	
8-5-606.2	Analysis of samples, Tank Cleaning Agents; True Vapor Pressure	N	
8-5-606.3	Analysis of samples, Tank Cleaning Agents; VOC	N	
SIP	Storage of Organic Liquids (6/5/03)		
Regulation 8,			
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
8-5-118	Limited Exemption, Gas Tight Requirement for approved emission	Y	
	control system in 8-5-306.2 does not apply if facility is subject to BAAQMD 8-18		
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-404	Certification Certification	Y	
8-5-502	Tank Degassing Annual Source Test Requirements	Y	
8-5-603	Determination of Emissions	Y	
8-5-603.2	Source test for tank degassing equipment	Y	
BAAQMD	Emulsified and Liquid Asphalts (6/01/94)	1	
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 (6/15/05)		
Rule 40			
8-40-116	Exemption, Small Volume	Y	
8-40-205	Contaminated Soil	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-40-306	Contaminated Soil – Excavation and Removal	Y	Dutt
8-40-601	Contaminated Soil Sampling	Y	
8-40-604	Measurement of Organic Concentration	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-110	Conditional Exemption, Area Monitoring	Y	
9-1-110.1	comply with monitoring, records and reporting requirements of 1-510, 1-530, 1-540, 1-542, 1-543, 1-544	Y	
9-1-110.2	comply with 9-1-301 ground level SO2 concentration limits	Y	
9-1-301	Limitations on Ground level Concentrations	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing more than 20,000 bbl/day of crude oil)	Y	
9-1-313.2	Install a sulfur recovery plant	N	
9-1-501	Area Monitoring Requirements (Regulations 1-510, 1-530, 1-540, 1-542, 1-543, 1-544)	Y	
9-1-502	Emission Monitoring Requirements (Regulations 1-520, 1-522)	Y	
9-1-604	Ground Level Monitoring	Y	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,	[only provisions which are different than current BAAQMD		
Rule 1	regulation are listed]		
9-1-313.2	Operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams	Y	
BAAQMD Regulation 9,	Inorganic Gaseous Pollutants - Hydrogen Sulfide (10/6/99)		
Rule 2			
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	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement Demolition, Renovation, and Removal	(Y/N)	Date
11-2-303		N	
11-2-304	Waste Disposal	N	
11-2-305	Waste Disposal Sites	N	
11-2-501	Temperature Records	N	
11-2-502	Waste Shipment Records	N	
11-2-503	Active Waste Disposal Site Records	N	
11-2-504	Conversion Operations	N	
CA Code of	Mandatory Greenhouse Gas Emissions Reporting		
Regulations,			
Title 17,			
Subchapter			
10, Article 2 § 95101(b)(2)	Applicability	N	
		11	
Subarticle 1	General Requirements for the Mandatory Reporting of		
§ 95102	Greenhouse Gas Emissions Definitions	N	
8 93102	Definitions	IN .	
§ 95103(a)	General Greenhouse Gas Reporting Requirements	N	
§ 95103(a)(1)	Report Content	N	
§ 95103(a)(2)	Stationary Sources	N	
§ 95103(b)	Reporting Schedule – Existing Facilities	N	
§ 95103(c)	Verification – Existing Facilities	N	
§ 95104	Greenhouse Gas Emissions Data Report	N	
§ 95104(a)	Emissions Data Report	N	
§ 95104(b)	Maintaining the GHG Inventory Program	N	
§ 95104(c)	Data Completeness	N	
§ 95104(d)	Revisions	N	
§ 95105	Document Retention and Record Keeping Requirements	N	
§ 95106	Confidentiality	N	
§ 95107	Enforcement	N	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	Emorceable (Y/N)	Date
§ 95108	Severability Severability	N	Date
§ 95113	Data Requirements and Calculation Methods for Petroleum Refineries	N	
§ 95113(a)	Greenhouse Gas Emissions Data Report	N	
§ 95113(b)	Calculation of Process Emissions	N	
§ 95113(c)	Calculation of Fugitive Emissions	N	
§ 95113(d)	Calculation of Emissions from Flares and other Control Devices	N	
§ 95114	Data Requirements and Calculation Methods for Hydrogen Plants	N	
§ 95114(a)	Greenhouse Gas Emissions Data Report	N	
§ 95114(b)	Calculation of CO2 Stationary Combustion and Process Emissions	N	
Subarticle 3	Calculation Methods Applicable To Multiple Types of Facilities		
§ 95125	Additional Calculation Methods	N	
Subarticle 4	Requirements for Verification of Greenhouse Gas Emissions Data Reports and Requirements Applicable to Emissions Data Verifiers		
§ 95130	Requirements for Verification of Emissions Data Reports	N	
40 CFR 60,	New Source Performance Standards – General Provisions		
Subpart A	(12/23/71)		
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.14	Modifications	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
40 CFR 61,	National Emission Standards for Hazardous Air Pollutants -		
Subpart A	General Provisions (5/16/07)		
61.1	List of pollutants and applicability	Y	
61.2	Definitions	Y	
61.3	Units and abbreviations	Y	
61.4	Address	Y	
61.5	Prohibited activities	Y	
61.6	Determination of construction or modification	Y	
61.7	Application for approval of construction or modification	Y	
61.8	Approval of construction or modification	Y	
61.9	Notification of startup	Y	
61.10	Source reporting and waiver request	Y	
61.11	Waiver of compliance	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modifications	Y	
61.16	Availability of information	Y	
61.17	State Authority	Y	
61.18	Incorporations by reference	Y	
61.19	Circumvention	Y	
40 CFR 61,	National Emission Standard for Benzene Waste Operations		
Subpart FF;	(12/4/03);		
BAAQMD	BAAQMD National Emission Standard for Benzene Emissions		
Regulation 11,	from Benzene Transfer Operations and Benzene Waste		
Rule 12	Operations (7/18/90)		
61.340(a)	Applicability	Y	
61.340(b)	Applicability: hazardous waste	Y	
61.340(c)	Applicability: Exempt Waste	Y	
61.340(d)	Exemption for gaseous streams routed to fuel gas systems	Y	
61.341	Definitions	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
61.342	Standards: General	Y	
61.342	Standards: General	Y	
61.342(b)	Standards: General; Facilities with TAB > 10 Mg/yr		
61.342(e)	Standards: General; Alternative to 61.342(c) and 61.342(d)	Y	
61.342(e)(1)	Standards: General; Treat waste with a flow-weighted annual average water content of less than 10% per 61.342(c)(1)	Y	
61.342(e)(2)	Standards: General; Treatment of waste with a flow-weighted annual average water content of 10% or more by volume.	Y	
61.342(e)(2)(i)	Standards: General; 61.342(e)(2) Waste shall not contain more than 6.0 Mg/yr benzene.	Y	
61.342(e)(2)(ii	Standards: General; Determine 61.342(e)(2) benzene quantity per 61.355(k)	Y	
61.342(g)	Compliance determined by review of records, test results, and inspections	Y	
	40 CFR 61.345, 61.346 and 61.347 are applicable only to		
	equipment whose benzene quantity for 61.342(e)(2) is calculated		
	per 61.355(k)(2) as controlled.		
61.345	Standards: Containers	Y	
61.346	Standards: Individual drain systems	Y	
61.347	Standards: Oil-water separators	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(a)	Determination of total annual benzene quantity from facility waste	Y	
61.355(b)	Determination at point of waste generation	Y	
61.355(c)	Determination of flow-weighted annual average benzene concentration	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(i)	Control device performance test procedures	Y	
61.355(k)	Determination of benzene quantity (6 BQ)	Y	_
61.356	Recordkeeping requirements	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.356(a)	recordkeeping and retention requirements	Y	
61.356(b)	waste stream records	Y	
61.356(d)	Recordkeeping Requirements: Control equipment engineering design	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control device per 61.349retain for life of device	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(b)(1)	Records for uncontrolled streams	Y	
61.356(b)(5)	Records for turnaround waste	Y	
61.357	Reporting requirements	Y	
61.357(a)	Reports after startup	Y	
61.357(c)	reporting requirements for facilities with less than 10 Mg/yr total benzene in waste	Y	
BAAQMD	Incorporates by reference 40 CFR 61, Subpart FF	Y	
Regulation 11,			
Rule 12			
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for	Y	
Subpart A	Source Categories (1/18/08)		
63.1	Applicability	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities	Y	
63.5	Construction and reconstruction	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General Application Requirements	Y	
63.5(d)(2)	Application for approval of construction	Y	
63.5(d)(3)	Application for approval of reconstruction	Y	
63.5(d)(4)	Additional information	Y	
63.6	Compliance with standards and maintenance	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	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
63.9	Notification requirements	Y	Date
63.10	Recordkeeping and reporting requirements	Y	
63.12	State authority and delegation	Y	
63.13	Addresses of State air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by references	Y	
63.15	Availability of Information & Confidentiality	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart B	Source Categories: Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(c) and 112(i); Final Pule (5/20/02)		
63.52	Air Act Sections, Section 112(g) and 112(j); Final Rule (5/30/03) Approved process for new and existing affected sources.	Y	
	Sources subject to section 112(j) as of the section 112(j) deadline	Y	
63.52(a)			
63.52(a)(1)	Submit an application for Title V permit revision	Y	
63.52(e)	Permit application review	Y	
63.52(h)	Enhanced monitoring	Y	
63.52(h)(i)	MACT emission limitations	Y	
63.52(h)(i)(1)	Compliance with all requirements applicable to affected sources,	Y	
(2.52	including compliance date for affected sources	37	
63.53	Application content for case-by-case MACT determination	Y	
63.53(a)	Part 1 MACT application	Y	
63.53(b)	Part 2 MACT application	Y	
40 CFR 63,	National Emissions Standards for Hazardous Air Pollutants		
Subpart CC 63.640(a)	from Petroleum Refineries (6/23/00) 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 emission points routed to a fuel gas system	Y	
63.640(f)	Applicability and Designation of Affected Sources	Y	
63.640(g)	Applicability and Designation of Affected Sources-Exempt processes	Y	
63.640(h)	Applicability and Designation of Affected Sources-Compliance dates	Y	

Table IV – All Sources Facility-Specific Generally Applicable Requirements

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

Table IV – All Sources Facility-Specific Generally Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.642(k)	existing source owners/operators may comply, and new sources	Y	
	owners/operators shall comply with the wastewater provisions in		
	63.647 and comply with 63.655 and is exempt from (g)		
63.642(1)	emission averaging compliance approach	Y	
63.642(m)	States may restrict existing source owners/operators to only use the	Y	
	method in (k) to comply without allowance to use the emission		
	averaging compliance approach		
63.647	Wastewater provisions	Y	
63.647(a)	Owners/operators of Group 1 wastewater streams shall comply with	Y	
	sections 61.340 to 61.355 of 40 CFR Part 61, Subpart FF for each		
	stream that meets the definition of 63.641.		
63.647(c)	Owners/operators required under Subpart FF of 40 CFR Part 61 to	Y	
	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.		
63.648	Equipment Leak Standards	Y	
63.648(a)	Existing source owners/operators subject to this subpart shall	Y	
	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.		
63.648(b)	Monitoring data generated before 8/18/95 to qualify for less	Y	
	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.		
63.648(c)	In lieu of complying with the existing source provisions of	Y	
	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.		
63.648(d)	Upon startup of new sources, the owner/operator shall comply with	Y	
` '	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.		

Table IV – All Sources Facility-Specific Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.648(e)	For reciprocating pumps in heavy liquid service and agitator in heavy liquid service and agitators in heavy liquid service,	Y	Dute
	owners/operators are not required to comply with the requirements		
	in section 63.169 of Subpart H of this part.		
63.648(f)	Reciprocating pumps in light liquid service are exempt from	Y	
03.040(1)	section 63.163 and 60.482 if recasting the distance piece or	1	
	reciprocating pump replacement is required.		
63.648(h)	Owner/operators of sources subject to this subpart must maintain	Y	
03.0 (0(1)	all records for a minimum of 5 years.	•	
63.655	Reporting and recordkeeping requirements	Y	
63.655(a)	Owner/operators subject to the wastewater provisions of 63.647	Y	
021022 ()	shall comply with the recordkeeping and reporting requirements in	_	
	61.356 and 61.357 of 40 CFR 61, Subpart FF, unless they comply		
	with those specified in paragraph (o)(2)(ii) of 63.640.		
	Recordkeeping and reporting for wastewater streams included in		
	emission averages are specified in 63.653 and in paragraphs (f)(5)		
	and (g)(8) of this section.		
63.655(d)	Owner/operators subject to the equipment leaks standards in	Y	
	63.648 shall comply with the recordkeeping and reporting		
	provisions of paragraphs (d)(1) through (d)(6) of this section.		
40 CFR Part 98	Mandatory Greenhouse Gas Reporting	Y	
Subpart A	General Provisions	Y	
Subpart C	General Stationary Fuel Combustion Sources	Y	
Subpart Y	Petroleum Refineries	Y	
Subpart MM	Suppliers of Petroleum Products	Y	
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]		

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.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 (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements(12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	

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

	S2 – UNII 229, B-301 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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	

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

	S2 – UNIT 229, B-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	F, (if used to demonstrate compliance with continuous emission	(=/= \)	
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			

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

	52 – UNII 227, B-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking	N	

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
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.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 (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	

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
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	

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

	55 - CNII 250, B-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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		
(0.105	flares from relief valve leaks or other emergency malfunctions	V	
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	

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

	S5 – UNII 250, B-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,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube	Y	
	cleaning [Basis: Regulation 2-6-409.2]		
Part A.2c	Visible emissions monitoring for liquid-fired sources [Basis:	Y	
	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	
	409.2]		
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative	Y	
	Increase]		
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	

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

Table IV – A.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 (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		

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

	54 – UNII 251, D-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		

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

	S4 – UNIT 231, B-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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.3 Source-specific Applicable Requirements S4 – UNIT 231, B-101 HEATER

	54 - ONII 231, B-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
arequir ement	flares from relief valve leaks or other emergency malfunctions	(2/11)	2400
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
00.100(4)(1)	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,	A.F.		
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative	Y	
	Increase]		
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		

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
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	_
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.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 (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	

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

	55 – UNII 251, B-102 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^{1}	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	

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

	S5 – UNIT 231, B-102 HEATER	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	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			

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

	S5 – UNII 251, B-102 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Subpart J	<u> </u>		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS 40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
NSPS	Performance Specifications		
40 CFR 60 Appendix B			
Performance Specification 7	H2S continuous emission monitoring systems	Y	
BAAQMD Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	

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

	Se Chil 201, B 102 HEATEN	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 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	87 – UNIT 231, B-103 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
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	

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

	S7 – UNII 231, B-103 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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	

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

	S7 – UNIT 231, B-103 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
•	F, (if used to demonstrate compliance with continuous emission	, ,	
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,	Standards of Performance for Perfording Relineries (9/22/00)		
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
(.,,()	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
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			

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

	S7 – UNII 231, B-103 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1694		(* ')	
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.2b	Visible emission monitoring for liquid-fired sources during tube	Y	
Part A.2c	cleaning [Basis: Regulation 2-6-409.2] Visible emissions monitoring for liquid-fired sources [Basis: Regulation 2-6-409.2]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.2	Annual fuel firing limit at S2, S3, S4, S5, S7 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous	N	

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

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

Table IV – A.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 (7/19/06)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	

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
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	

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

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

39 – UNII 240, D-2 DOILER			
Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/9/08)		
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	Y	
	District		
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		

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

	SIU – UNII 240, D-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 1	General Provisions and Definitions (6/28/99)		
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		•

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters	(1/11)	Date
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of	,		
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		

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

	SIU – UNII 240, B-IUI HEATEK	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S9, S10, S11, S12, S13, S14 [Basis:	Y	
	Cumulative Increase]		

Table IV – A.8 Source-specific Applicable Requirements \$10 – Unit 240, B-101 Heater

	510 - UNII 240, D-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
Part F.4a	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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.

	S11 – UNII 240, B-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	

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

Federally Fi				
Applicable	Regulation Title or	Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	Dute	
9-10-502.2	Fuel flowmeters	Y		
9-10-504	Recordkeeping	N		
9-10-504.1	Records	N		
9-10-505	Reporting	N		
9-10-601	Determination of NOx	N		
9-10-602	Determination of CO and Stack Gas O2	N		
9-10-603	Compliance Determination	Y		
SIP	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon			
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters			
Rule 10	in Petroleum Refineries (4/2/08)			
9-10-504	Recordkeeping	Y		
9-10-504.1	Records	Y		
9-10-505	Reporting	Y		
9-10-601	Determination of NOx	Y		
40 CFR 60,	General Provisions (1/18/08)			
Subpart A				
60.7(b)	Records	Y		
60.7©	Notification and recordkeeping for continuous monitoring	Y		
60.7(d)	Summary reports	Y		
60.7(e)	Reduction of frequency of summary reports	Y		
60.7(f)	Records	Y		
60.7(g)	Alternative Notification	Y		
60.7(h)	Specific Provisions	Y		
60.8	Performance Tests	Y		
60.11	Compliance with Standards and Maintenance Requirements	Y		
60.11(a)	Compliance determined by performance tests	Y		
60.11(d)	Control devices operated using good air pollution control practice	Y		
60.13	Monitoring requirements	Y		
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y		
	F, (if used to demonstrate compliance with continuous emission limits), of Part 60			
60.13(b)	Continuous monitoring systems and devices operational prior to	Y		
	performance tests required by 60.8			
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition 21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	,
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	S12 – UNII 240, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	

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

	S12 – UNII 240, D-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	

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

	S12 – UNII 240, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	

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

	512 - CNII 240, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.1	Annual fuel firing limit at S9, S10, S11, S12, S13, S14 [Basis:	Y	
	Cumulative Increase]		
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	S13 – UNII 240, B-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
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	

Table IV – A.11 Source-specific Applicable Requirements \$13 – Unit 240, B-301 HEATER

	S13 – UNIT 240, B-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2 or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	

Federally F				
Applicable	Regulation Title or	Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
60.11	Compliance with Standards and Maintenance Requirements	Y	Dute	
60.11(a)	Compliance determined by performance tests	Y		
60.11(d)	Control devices operated using good air pollution control practice	Y		
60.13	Monitoring requirements	Y		
	Continuous monitoring systems subject to Appendix B, and Appendix	Y		
60.13(a)	F, (if used to demonstrate compliance with continuous emission	1		
	limits), of Part 60			
60.13(b)	Continuous monitoring systems and devices operational prior to	Y		
00.13(0)	performance tests required by 60.8	1		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y		
60.13(d)(1)	Continuous monitoring system zero and span camoration requirements Continuous monitoring system minimum frequency of operation	Y		
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y		
60.12(f)	non-opacity-measuring devices	V		
60.13(f)	Continuous monitoring system installation location requirement	Y		
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)			
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				

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

	S15 – UNII 240, B-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Appendix B	1		
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
Part F.4b	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	Y	
BAAQMD Condition			
21235 Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking	N	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	DIA CHILATO, D'ATTIEMEN	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			

94

Renewal Date: September 1, 2011

	S14 – UNII 240, D-401 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	

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

	S14 – UNII 240, D-401 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission	Y	
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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.12 Source-specific Applicable Requirements S14 – UNIT 240, B-401 HEATER

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.1	Annual fuel firing limit at S9, S10, S11, S12, S13, S14 [Basis: Cumulative Increase]	Y	
Part F.3	Monthly fuel firing records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	

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

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

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

Table IV – A.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
BAAQMD	General Provisions and Definitions (7/09/08)		
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	

98

Renewal Date: September 1, 2011

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
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,			
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	

	513 – UNII 244, D-301 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutan-s - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	

	S15 – UNIT 244, B-501 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

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

	513 - UNIT 244, B-301 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-	Y	
	409.2]		
Part F.4c	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-	Y	
	0258]		
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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.

	910 - UNII 244, D-302 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	

	910 - UNIT 244, D-302 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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	

	510 - CM1 244, D-302 HEATER	Fodovally	T-4
Ammliaabla	December 7:41 or	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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			
F F :	l	l .	

	S10 – UNII 244, D-502 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.4c	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis: Regulation 9-10-301, 9-10-305]	Y	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
Part 12	Regulation 2-9-303, 9-10-301] Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
	continuación [Dasis. Regulation 2-7-302.4]]	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	

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

	517 - UNII 244, D-303 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			

	517 – UNII 244, D-303 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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	

	517 - CM1 244, D-303 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
zioquii omono	combustion (in lieu of separate combustion device exhaust SO2	(2/11)	2
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)	(,		
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60	•		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part F.4c	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	

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

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

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.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 (7/09/08)		
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	

111

Renewal Date: September 1, 2011

	S18 – UNIT 244, B-504 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 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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	

	510 - UNII 244, D-304 HEATER	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	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	

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

	910 - UNIT 277, D-307 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	409.2]		
Part F.4c	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-0258]	Y	
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	S19 – UNII 244, D-305 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6	D' L N 11' 'A'	37	
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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)	NT	
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	

Table IV – A.17 Source-specific Applicable Requirements \$19 – 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
9-10-301.2	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	

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

	517 - CM1 244, B-303 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.11	Compliance with Standards and Maintenance Requirements	Y	Date
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.11(u)	Monitoring requirements	Y	
	Continuous monitoring systems subject to Appendix B, and Appendix		
60.13(a)		Y	
	F, (if used to demonstrate compliance with continuous emission		
60.12(b)	limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to	1	
60.12(4)(1)	performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements		
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
60.12/0	non-opacity-measuring devices	37	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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			

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

	519 – UNII 244, D-305 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Appendix B	<u> </u>	, ,	
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part F.4c	NOx limit 0.015 lb/MMBtu [Basis: Consent Decree Case No. H-05-	Y	
	0258]		
BAAQMD	Throughput limits for S15, S16, S17, S18 and S19 [Basis: 2-1-	Y	
Condition	234.3]		
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Kequii ement	certificate(s) [Basis: Regulation 2-9-502.4]	(1/N)	Date
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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 \$20 – Unit 244, B-506 Heater

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			

	S20 – UNIT 244, B-506 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	

	S20 – UNII 244, D-500 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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	

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

	S20 – UNII 244, D-500 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,	Description of Requirement	(1/11)	Dutt
Appendix A			
NSPS	Performance Specifications		
40 CFR 60	Terrormanice specifications		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7	g.,		
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S20 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		

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

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	

	521 – UNII 244, D-307 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)		
9-10-111	Limited Exemption: Small Units: Between 1 and 10 MMbtu/hr and	Y	
	capable of firing fuel other than natural gas or LPG		
9-10-217	Definition: Small Unit: Between 1 and 10 MMbtu/hr and capable of	Y	
	firing fuel other than natural gas or LPG		
9-10-306	Small Unit Requirements	Y	
9-10-306.2	Small Unit Requirements: Tune-up at least every 12 months, or	Y	
	within two weeks of start-up if not operated in the last 12 months		
9-10-504	Recordkeeping	Y	
9-10-504.2	Records	Y	
9-10-505	Reporting	Y	
9-10-605	Tune-up Procedures	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	

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
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S21 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			

	522 - UNII 240, B-000 HEATEK	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	

	522 - UNIT 240, D-000 HEATEK	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to performance tests required by 60.8	Y	
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3)	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,			

	S22 – UNII 240, D-000 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Appendix A	1 1		
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7	,		
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	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 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	

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

	527 - CMI 200, D-3 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^{1}	
BAAQMD	Particulate Matter; General Requirements (12/05/07)		
Regulation 6,			

	S29 – UNII 200, D-3 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		

	927 - OMI 200, B-3 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Subpart A		(=/- //	= 0000
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
` ,	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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))		

	529 – UNII 200, B-5 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limits for S29 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10–301 and 9-10-305 [Basis:	Y	
1 411 1	Regulation 9-10-301, 9-10-305 [Basis.	1	
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
i ait J	Regulation 9-10-502]	1	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
1 dit 7	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	

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

527 - ONII 200, B-3 HEATER				
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y		
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y		
	10-502]			
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y		
	[Basis: Regulation 9-10-502]			
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y		
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y		
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N		
	Regulation 2-9-303, 9-10-301]			
Part 12	Quarterly report showing amount of IERC's used during previous	N		
	quarter, IERC's used during current ACP period, projection of			
	IERC's required and certification that the facility possesses IERC's			
	equal to the amount projected [Basis: Regulation 2-9-502.3]			
Part 13	Annual reconciliation report and surrendering of banking	N		
	certificate(s) [Basis: Regulation 2-9-502.4]			
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N		
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N		

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	

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

	550 - UNII 200, D-101 HEATEK	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter; General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		

Table IV – A.22 Source-specific Applicable Requirements \$30 – Unit 200, B-101 HEATER

	S30 – UNIT 200, B-101 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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	

	S30 – Unit 200, B-101 Heater	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	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	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
(3)(1)	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)	``		
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60	-		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
BAAQMD	Throughput limits for S30 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	

Table IV – A.22 Source-specific Applicable Requirements \$30 – Unit 200, B-101 HEATER

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	

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

	SS1 – UNII 200, B-S01 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^{1}	
BAAQMD	Particulate Matter; General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	

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

	551 - UNII 200, B-501 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.7(b)	Records	Y	
60.7(c)	Notification and recordkeeping for continuous monitoring	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of summary reports	Y	
60.7(f)	Records	Y	
60.7(g)	Alternative Notification	Y	
60.7(h)	Specific Provisions	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix	Y	
	F, (if used to demonstrate compliance with continuous emission		
	limits), of Part 60		
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for	Y	
	non-opacity-measuring devices		
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		

Table IV – A.23 Source-specific Applicable Requirements \$31 – Unit 200, B-501 Heater

	S31 – UNIT 200, B-501 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		

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	Throughput limits for S31 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

Table IV – A.24 Source-specific Applicable Requirements \$36 – Unit 200, B-102 Heater

	836 – UNIT 200, B-102 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)	(===,)	= 000
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	Permits, General Requirements (11/19/08)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		

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

	S50 – UNII 200, B-102 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Regulation 6	1		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
BAAQMD			
Condition			
1694			
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5c	Records of SO2 emissions [Basis: Regulation 2, Rule 1; SO2	Y	
	Bubble; Regulation 2-6-409.2]		
BAAQMD			
Condition			

Table IV – A.24 Source-specific Applicable Requirements \$36 – Unit 200, B-102 Heater

	550 - UNII 200, B-102 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
21097			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase]	Y	
Part 3c	Ammonia limit [Basis: Toxic Management]	N	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7c	Alternative monitoring for compliance with 40 CFR 60.104(a)(1) H2S limit	Y	
Part 10	Recordkeeping [2-6-503]	Y	
BAAQMD Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	

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

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

	S43 – UNII 200, D-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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 (11/19/08)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter; General Requirements (12/05/07)		
Regulation 6,			
D 1 1			
Rule 1			
Rule 1 6-1-301	Ringelmann #1 Limitation	N	
	Ringelmann #1 Limitation Tube Cleaning	N N	
6-1-301		1	

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

	545 - UNII 200, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			

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

	545 - CMI 200, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
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	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
40 CFR 60,	Performance Specifications		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
Part D.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	

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

	545 - UNIT 200, B-202 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	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 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

Applicable Requirement Description of Requirement Description of Requirement Description of Requirement General Provisions and Definitions (7/09/08) 1-520 Continuous Emission Monitoring Y		S44 – UNII 200, B-201 HEATER	Federally	Future
Requirement Description of Requirement (Y/N) Date BAAQMD General Provisions and Definitions (7/09/08) Regulation 1 1-520 Continuous Emission Monitoring Y 1-521 Monitoring May Be Required Y 1-522 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.4 reporting of inoperative CEMs 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 1-522.9 recordkeeping requirements Y 1-522.10 Regulation 1-521 monitors shall meet requirements specified by District N 1-522.10 Regulation 1-521 monitoring Requirements Specified by District N 1-522.10 Regulation 1-7-1-7-1-7-1-7-1-7-1-7-1-7-1-7-1-7-1-7	Applicable	Regulation Title or	_	
BAAQMD Regulation 1 1-520 Continuous Emission Monitoring 1-520.8 Monitors pursuant to Regulation 2-1-403 1-521 Monitoring May Be Required 1-522 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.4 reporting of inoperative CEMs 1-522.5 CEM calibration requirements 1-522.6 CEM accuracy requirements 1-522.7 emission limit exceedance reporting requirements 1-522.8 monitoring data submittal requirements 1-522.9 recordkeeping requirements 1-522.9 recordkeeping requirements 1-522.10 Regulation 1-521 monitors shall meet requirements specified by 1-522.10 Regulation 1-521 monitoring Requirements 1-602 Area and Continuous Monitoring Requirements 1-522.9 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.0 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.1 emission limit exceedance reporting requirements 1-522.7 emission limit exceedance reporting requirements 1-522.8 Regulation 1 1-522.9 PROVISIONS NO LONGER IN CURRENT RULE 1-522.0 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.7 emission limit exceedance reporting requirements 1-522.7 emission limit exceedance				
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 District Ontinuous Monitoring Requirements N 1-502.10 Regulation 1-521 monitors shall meet requirements SP PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring and Recordkeeping Procedures Y - note 1 emission limit exceedance reporting requirements Y - note 1 emission limit exceedance reporting requirements (11/19/08) Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, 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, Permit conditions requiring measurement of emissions Y - note 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Regulation 6, Rule 1 Ringelmann #1 Limitation N 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	BAAQMD		, ,	
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 Y 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 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 1-522.8 Regulation 2, Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, 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 Permits, General Requirements (12/05/07) Regulation 2, Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Regulation 2, Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Regulation 2, Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Regulation 2, Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Regulation 4, Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Regulation 6, Rule 1 Regulation 6, Rule 1 Ringelmann #1 Limitation N Ringelmann #1 Limitation N Ringelmann #1 Limitation N Ringelmann #1 Limitation N	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 1-522.6 CEM accuracy requirements Y 1-522.7 emission limit exceedance reporting requirements Y 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 Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring Requirements N SIP PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring and Recordkeeping Procedures Y - note 1 emission limit exceedance reporting requirements (11/19/08) Regulation 2, Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, 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, Permit, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 2, Permit, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 4, Permits, General Requirements (1/26/99) Regulation 5, Rule 1 Regulation 6, Rule 1 Ringelmann #1 Limitation N G-1-305 Visible Particles	1-520	Continuous Emission Monitoring	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 1-522.6 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 N 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 1-522.7 mission limit exceedance reporting requirements (11/19/08) Regulation 2, Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Provisions Requirements (1/26/99) Regulation 6, Rule 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	1-520.8	Monitors pursuant to Regulation 2-1-403	Y	
1-522.4 reporting of inoperative CEMs Y 1-522.5 CEM calibration requirements Y 1-522.6 CEM accuracy requirements Y 1-522.6 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 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 Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permit, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 2, Rule 1 - Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 4, Rule 1 - Regulation 5, Rule 1 - Requirements (1/26/99) Regulation 6, Rule 1 - Regulation 6, Rule 1 - Regulation 8, Rule 1 - Regulation 9, Rule 1 -	1-521	Monitoring May Be Required	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 1-602 Area and Continuous Monitoring Requirements N SIP PROVISIONS NO LONGER IN CURRENT RULE General Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring and Recordkeeping Procedures Y - note 1 1-522.7 emission limit exceedance reporting requirements Y - note 1 Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N Regulation 2, Rule 1 2-1-403 Permits, General Requirements (1/26/99) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 3 Permit conditions requiring measurement of emissions Y - note 1 Regulation 4 Permits, General Requirements (1/26/99) Regulation 5 Permit conditions requiring measurement of emissions Y - note 1 Regulation 6, Rule 1 Ringelmann #1 Limitation N Ringelmann #1 Limitation N Ringelmann #1 Limitation N Ringelmann #1 Limitation N Visible Particles	1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
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 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 Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permit, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 2, Rule 1 2-1-403 Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 6, Rule 1 Ringelmann #1 Limitation N Annual Call Procedure Annual of Procedures Signal Protection Annual Office Signal P	1-522.4	reporting of inoperative CEMs	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 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 1-522.7 emission limit exceedance reporting requirements (11/19/08) Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Permit conditions requiring measurement of emissions N - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	1-522.5	CEM calibration requirements	Y	
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 Di	1-522.6	CEM accuracy requirements	Y	
1-522.9 recordkeeping requirements Y 1-522.10 Regulation 1-521 monitors shall meet requirements specified by District 1-602 Area and Continuous Monitoring Requirements N SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 1 General Provisions and Definitions (6/28/99) 1-522 Continuous Emission Monitoring and Recordkeeping Procedures Y – note 1 1-522.7 emission limit exceedance reporting requirements Y - note 1 Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y Regulation 2, Rule 1 PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	1-522.7	emission limit exceedance reporting requirements	N	
1-522.10 Regulation 1-521 monitors shall meet requirements specified by District 1-602 Area and Continuous Monitoring Requirements N	1-522.8	monitoring data submittal requirements	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 (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	1-522.9	recordkeeping requirements	Y	
Regulation 1 1-522 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.7 emission limit exceedance reporting requirements Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 Regulation 2, Rule 1 2-1-301 Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	1-522.10	, , ,	Y	
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 (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	1-602	Area and Continuous Monitoring Requirements	N	
1-522 Continuous Emission Monitoring and Recordkeeping Procedures 1-522.7 emission limit exceedance reporting requirements Y - note 1 BAAQMD Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	SIP	PROVISIONS NO LONGER IN CURRENT RULE		
1-522.7 emission limit exceedance reporting requirements Y - note 1 BAAQMD Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	Regulation 1	General Provisions and Definitions (6/28/99)		
Regulation 2, Rule 1 - Permits, General Requirements (11/19/08) Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	1-522.7	emission limit exceedance reporting requirements	Y - note 1	
Rule 1 2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (11/19/08)		
2-1-403 Permit conditions requiring measurement of emissions N 2-1-501 Monitors shall comply with Volume V of the Manual of Procedures Y SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	Regulation 2,			
2-1-501 Monitors shall comply with Volume V of the Manual of Procedures SIP PROVISIONS NO LONGER IN CURRENT RULE Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	Rule 1			
Regulation 2, Permits, General Requirements (1/26/99) Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles	2-1-403	Permit conditions requiring measurement of emissions	N	
Regulation 2, Rule 1 2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
Rule 1 Permit conditions requiring measurement of emissions Y - note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	SIP	PROVISIONS NO LONGER IN CURRENT RULE		
2-1-403 Permit conditions requiring measurement of emissions Y – note 1 BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	Regulation 2,	Permits, General Requirements (1/26/99)		
BAAQMD Particulate Matter; General Requirements (12/05/07) Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	Rule 1			
Regulation 6, Rule 1 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
Rule 1 N 6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	BAAQMD	Particulate Matter; General Requirements (12/05/07)		
6-1-301 Ringelmann #1 Limitation N 6-1-305 Visible Particles N	Regulation 6,			
6-1-305 Visible Particles N	Rule 1			
	6-1-301	Ringelmann #1 Limitation	N	
6-1-310.3 Particulate Weight Limitation; Heat Transfer Operation N	6-1-305	Visible Particles	N	_
	6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	

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
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		

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

	S44 – UNII 200, D-201 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Subpart J	•		
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) except for gas burned as a result of process upset or gas burned at flares from relief valve leaks or other emergency malfunctions	Y	
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (in lieu of separate combustion device exhaust SO2 monitors as required by 60.105(a)(3))	Y	
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
40 CFR 60,	Performance Specifications		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694	H	37	
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a Part A.3a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y Y	
Part A.3b	TRS testing requirement [Basis: SO2 Bubble] 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	Throughput limits for source S44 [Basis: 2-1-234.3]	Y	

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

	STT CMI 200, B-201 HEATEN	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	S50, S51, S52 – TURBINE STARTUP ENGINE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter, General Requirements (12/05/07)	(, ,)	
Regulation 6,	•		
Rule 1			
6-1-303.1	Ringelmann #2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-303.1	Ringelmann No. 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	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 Internal		
Regulation 9,	Combustion Engines (7/25/07)		
Rule 8			
9-8-111.1	Limit Exemptions for Low Usage: Until 1/1/12 Engines rated at or	N	
	below 1000 brake horsepower which operate less than 200 hours in		
	any 12-consecutive month period are only subject to 9-8-502.1 and		
	9-8-530.		
9-8-111.3	Limit Exemptions for Low Usage: Effective 1/1/12, engines which	N	1/1/2012
	operate less than 100 hours in any 12-consecutive month period are		
	only subject to 9-8-502.1 and 9-8-530.		
9-8-502	Recordkeeping	N	
9-8-502.1	Hours of Operation	N	
9-8-530	Emergency Standby and Low Usage Engines, Monitoring and	N	
	Recordkeeping		
CCR, Title 17,	ATCM for Stationary Compression Ignition Engines		
Section 93115			
93115.3	Exemptions	N	
93115.3(j)	Exemption for Low-Use Prime Engines Outside of School Boundaries	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.5	Fuel Requirements	N	
93115.5(a)	Fuel Requirements for new or in-use stationary CI engines	N	
93115.10	Recordkeeping, Reporting, & Monitoring Requirements	N	
93115.10(f)	Reporting for Exempted Agricultural Emergency, Prime, and Nonagricultural Emergency Engines	N	
93115.15	Severability	N	
BAAQMD Condition 19488			
Part 1	60 hr/yr combined total operating limit for S50, S51 and S52 [Basis: "Stationary Diesel Engine ATCM" 93115.3(j)]	N	
Part 3	Operating hour records [Basis: "Stationary Diesel Engine ATCM" 93115.10(f)]	N	

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

	853, 854, 855, 856, 857, 858, 859 – EMERGENCY DIES	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Particulate Matter; General Requirements (12/05/07)	(2/21)	2 410
Regulation 6,	2 11 11 11 11 11 11 11 11 11 11 11 11 11		
Rule 1			
6-1-303.1	Ringelmann #2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-303.1	Ringelmann No. 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	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 Internal		
Regulation 9,	Combustion Engines (7/25/07)		
Rule 8			
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Emergency Standby Engines, Emergency Operation	N	
9-8-330.2	Emergency Standby Engines, Reliability-Related Activities ≤100	N	
	hours/yr until 1/1/12		
9-8-330.3	Emergency Standby Engines, Reliability-Related Activities ≤50	N	1/1/2012
	hours/yr effective 1/1/12		
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
CCR, Title 17,	ATCM for Stationary Compression Ignition Engines		
Section 93115	(S53 – Emergency Electricity Generator)		
93115.5	Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-	N	
	Fueled CI Engine (>50 bhp) Operating Requirements and Emission		

Table IV – A.28 Source-specific Applicable Requirements

S53, S54, S55, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

	355, 854, 855, 850, 857, 856, 859 – EMERGENCY DIES.	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1	Standards	(, ,	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp)	N	
	Operating Requirements and Emission Standards		
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)	Diesel PM Standard and Hours of Operation Limitations	N	
(A)			
93115.6(b)(3)	General Requirements	N	
(A)(1)			
93115.6(b)(3)	20 hours/yr for maintenance & testing	N	
(A)(1)(a)			
93115.10(e)(1)	Monitoring Equipment	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
CCR, Title 17,	ATCM for Stationary Compression Ignition Engines		
Section 93115	(S54, S55, S56, S57, S58, S59 – Firewater Pump Engines)		
93115.3	Exemptions	N	
95113.3(n)	Exemption for In-Use Emergency Fire Pump Assemblies	N	
93115.5	Fuel Requirements	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD			
Condition			
19488			
Part 3	20 hr/yr operating limit (non-emergency) for S53 [Basis: "Stationary	N	
	Diesel Engine ATCM" 93115.6(b)(3)(A)(1)(a)]		
Part 5	Monitoring for S53 [Basis: "Stationary Diesel Engine ATCM"	N	
	93115.10(e)(1)]		
Part 6	Operating hour records for S53[Basis: "Stationary Diesel Engine	N	
	ATCM" 93115.10(g)]		
Part 7	50 hr/yr operating limit per engine for S54, S55, S56, S57, S58 and	N	
	S59, Firewater pump engines [Basis: "Stationary Diesel Engine		
.	ATCM" 93115.3(n)		
Part 8	Operating hour records for S54, S55, S56, S57, S58 and S59,	N	
	Firewater pump engines [Basis: "Stationary Diesel Engine ATCM"		
	93115.10(g)		

158

Renewal Date: September 1, 2011

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

	S350 – UNII 231, B-104 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)]		
Regulation 1			
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	

Table IV – A.29 Source-specific Applicable Requirements \$336 – Unit 231, B-104 Heater

	8336 – UNIT 231, B-104 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
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	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			

Table IV – A.29 Source-specific Applicable Requirements \$336 – 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
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]		
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 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-	Y	
	10-502]		
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs	Y	
	[Basis: Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		
Part 12	Quarterly report showing amount of IERC's used during previous	N	

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

Table IV – A.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
BAAQMD Regulation 1	General Provisions and Definitions (7/09/08)]		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	

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

Applicable Requirement	S337 – UNIT 231, B-105 HEATER Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	

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

	9337 – OMI 231, B-103 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Trequir ement	except for gas burned as a result of process upset or gas burned at	(2/11)	2
	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	
00.105(a)(4)	combustion (in lieu of separate combustion device exhaust SO2	1	
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)	Excess 1120 clinision definitions for 60.7(c)	1	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A		1	
NSPS	Performance Specifications		
40 CFR 60	Terrormanice specifications		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7	, , , , , , , , , , , , , , , , , , ,	_	
BAAQMD			
Condition			
1694			
Part A.1a	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	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 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		

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
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 3	"NOx Box" requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 4	"NOx Box" development procedure [Basis: Regulation 9-10-502]	Y	
Part 5	"NOx Box" parameters [Basis: Regulation 9-10-502]	Y	
Part 6a	Allowed "NOx Box" deviations [Basis: Regulation 9-10-502]	Y	
Part 6b	"NOx Box" deviation reporting requirement [Basis: Regulation 9-10-502]	Y	
Part 7	NOx, CO, O2 source test requirement for sources without NOx CEMs [Basis: Regulation 9-10-502]	Y	
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis: Regulation 2-9-303, 9-10-301]	N	
Part 12	Quarterly report showing amount of IERC's used during previous quarter, IERC's used during current ACP period, projection of IERC's required and certification that the facility possesses IERC's equal to the amount projected [Basis: Regulation 2-9-502.3]	N	
Part 13	Annual reconciliation report and surrendering of banking certificate(s) [Basis: Regulation 2-9-502.4]	N	
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

	,		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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	

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

	S351 – UNIT 267, B-601/602 HEATERS	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(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	
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 (11/19/08)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter, General Rquirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	

166

Renewal Date: September 1, 2011

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

Applicable	Regulation Title or	Federally Enforceable (Y/N)	Future Effective
Requirement	Description of Requirement	(1/N)	Date
BAAQMD Regulation 9,	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Rule 10	Monoxide from Boilers, Steam Generators, and Process Heaters in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301	Start-up/Shutdown Contribution	N N	
9-10-301.1	Out-of-Service Units Contribution	N	
9-10-301.2	Test-firing on Non-gaseous fuel Contribution	N N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring CEMS for NOv. CO. and O.2 are available to remission.	Y	
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
Subpart J		_	
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	

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

	5551 - CM1 207, D-001 /002 HEATERS	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	Date
00.104(a)(1)	except for gas burned as a result of process upset or gas burned at	1	
	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	
00.103(a)(4)	combustion (in lieu of separate combustion device exhaust SO2	1	
	monitors as required by 60.105(a)(3))		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(a)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
00.100(e)(1)	ivietilod 11 shall be used to verify compliance with 60.104(a)(1)	1	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
40 CFR 60,	Performance Specifications		
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part B.1	S351 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part B.2	S351 NOx emission limit [Basis: BACT, Cumulative Increase]	Y	
Part B.3	S351 NOx, O2 CEM requirement [Basis: BACT, Cumulative	Y	
	Increase]		
BAAQMD	Throughput limits for source S351 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			

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

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

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

	\$371 - UNIT 228, B-520 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)	,	
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	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.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
9-10-301.1	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	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
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	
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	

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

	5371 - CIVIT 220, D-320 FORNACE				
		Federally	Future		
Applicable	Regulation Title or	Enforceable	Effective		
Requirement	Description of Requirement	(Y/N)	Date		
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y			
	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			
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y			
Appendix A					
40 CFR 60,	Performance Specifications				
Appendix B					
Performance	H2S continuous emission monitoring systems	Y			
Specification 7					
BAAQMD					
Condition					
1694					
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y			
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y			
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y			
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y			
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y			
	200	_			
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y			
	409.2]	_			
Part C.1	S371, S372 abatement requirement [Basis: BACT, Cumulative	Y			
	Increase]	-			
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative	Y			
	Increase]				
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y			
1 411 0.3	Basis. Brief, Cumulative Inclease				
BAAQMD	Throughput limits for source S371 [Basis: 2-1-234.3]	Y			
Condition					
20989, Part A					
20707, 1 alt A					

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

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

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.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 (7/09/08)		
Regulation 1			
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	

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

	S372 – UNIT 228, B-521 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	,		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-301	Emission Limit for Facility, NOx: 0.033 lb NOx/MMbtu	N	
9-10-301.1	Start-up/Shutdown Contribution	N	
9-10-301.2	Out-of-Service Units Contribution	N	
9-10-301.3	Test-firing on Non-gaseous fuel Contribution	N	
9-10-303	Federal Facility-wide NOx emission rate limit	Y	
9-10-305	CO emission limit	N	
9-10-502	Monitoring	Y	

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

	5572 – UNII 228, D-521 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
9-10-502.1	CEMS for NOx, CO, and O2, or equivalent monitoring	Y	
9-10-502.2	Fuel flowmeters	Y	
9-10-504	Recordkeeping	N	
9-10-504.1	Records	N	
9-10-505	Reporting	N	
9-10-601	Determination of NOx	N	
9-10-602	Determination of CO and Stack Gas O2	N	
9-10-603	Compliance Determination	Y	
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (4/2/08)		
9-10-504	Recordkeeping	Y	
9-10-504.1	Records	Y	
9-10-505	Reporting	Y	
9-10-601	Determination of NOx	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
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	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	

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

	S372 – UNIT 228, B-521 FURNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Appendix A	Description of Requirement	(1/11)	Bate
40 CFR 60,	Performance Specifications		
Appendix B	1 cirormance Specifications		
Performance	H2S continuous emission monitoring systems	Y	
Specification 7	1125 continuous chinssion monitoring systems	1	
BAAQMD			
Condition			
1694			
Part A.1b	Heat ratings, firing limits [Basis: Regulation 2-1-301]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-	Y	
	409.2]	•	
Part C.1	S371, S372 abatement requirement [Basis: BACT, Cumulative	Y	
	Increase]		
Part C.2	S371, S372 NOx emission limits [Basis: BACT, Cumulative	Y	
	Increase]		
Part C.3	S371, S372 CO emission limits [Basis: BACT, Cumulative Increase]	Y	
BAAQMD	Throughput limits for source S372 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD			
Condition			
21235			
Part 1	Sources subject to Regulation 9-10-301 and 9-10-305 [Basis:	Y	
	Regulation 9-10-301, 9-10-305]		
Part 2	O2 CEM requirement [Basis: Regulation 9-10-502]	Y	
Part 8	CO source test requirement for sources with NOx CEMs [Basis:	Y	
	Regulation 9-10-502]		
Part 9	CO, O2 CEM requirement [Basis: Regulation 9-10-502, 1-522]	Y	
Part 10	Recordkeeping requirement [Basis: Regulation 9-10-504]	Y	
Part 11	Compliance demonstration with Alternative Compliance Plan [Basis:	N	
	Regulation 2-9-303, 9-10-301]		

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
Part 12	Quarterly report showing amount of IERC's used during previous	N	
	quarter, IERC's used during current ACP period, projection of		
	IERC's required and certification that the facility possesses IERC's		
	equal to the amount projected [Basis: Regulation 2-9-502.3]		
Part 13	Annual reconciliation report and surrendering of banking	N	
	certificate(s) [Basis: Regulation 2-9-502.4]		
Part 14	ACP renewal request [Basis: Regulation 2-9-502.2]	N	
Part 15	Recordkeeping requirement [Basis: Regulation 2-9-502.2]	N	

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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)		

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
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, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-304	Tube Cleaning	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	Standards of Performance for Petroleum Refineries (6/24/08)		
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(a)(4)	Exemption from SO2 or H2S monitoring for fuel inherently low in	Y	
(iv)	sulfur content (UK Sweet gas and PSA off gas)		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)		_	
60.106(a)	Test methods and procedures	Y	

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

	5430 CMI IIO, II-II CKNACE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
60.107(e)	Recordkeeping – Maintain records of 60.105(a)(4)(iv) exemption	Y	
	chosen.		
40 CFR 60,	New Source performance Standards - General Provisions		
Subpart A	(03/16/1994)		
60.13	Monitoring Requirements	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
BAAQMD			
Condition			
1694			
Part A.1c	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	Y	
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.3a	TRS testing requirement [Basis: SO2 Bubble]	Y	
Part A.3b	TRS reporting requirements [Basis: SO2 Bubble]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5	Records [Basis: Regulation 2, Rule 1; SO2 Bubble; Regulation 2-6-409.2]	Y	
Part E.1	S438 abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.2	S438 annual firing limit [Basis: Cumulative Increase]	Y	
Part E.3	S438 PSA offgas fuel TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.4	S438 NOx, CO and POC emission limits [Basis: BACT, Cumulative Increase]	Y	
Part E.5	S438 fuel gas TRS limit [Basis: BACT, Cumulative Increase]	Y	
Part E.6	S438 Records [Basis: Cumulative Increase]	Y	
Part E.7	S438 modification startup source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part E.8	S438 modification startup source test requirement [Basis: BACT, Cumulative Increase]	Y	

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

	S401 – UNII 250, B-701 HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)	(- 7	
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 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 (11/19/08)		
Regulation 2,			
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 2,	Permits, General Requirements (1/26/99)		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
0-1-303		ļ	

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

	S461 – UNIT 250, B-701 HEATER	Esdanalla.	Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Particulate Matter and Visible Emissions (9/4/98)	(1/14)	Batt
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60,	General Provisions (1/18/08)		
Subpart A			
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
40 CFR 60,	Appendix A to Part 60 – Test Methods	Y	
Appendix A			
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	H2S continuous emission monitoring systems	Y	
Specification 7			
BAAQMD			
Condition			
1694			

Table IV – A.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
Part A.2a	Fuel restrictions [Basis: Regulation 2, Rule 1]	Y	
Part A.4	SO2 emission limit [Basis: SO2 Bubble]	Y	
Part A.5c	Records of SO2 emissions [Basis: Regulation 2, Rule 1; SO2	Y	
	Bubble; Regulation 2-6-409.2]		
BAAQMD			
Condition			
21096			
Part 1	Fuel restrictions [Basis: BACT, Cumulative Increase]	Y	
Part 2	Heat ratings, annual firing limits [Basis: Cumulative Increase]	Y	
Part 3a	Abatement requirement [Basis: BACT, Cumulative Increase]	Y	
Part 3b	Emission rate limits [Basis: BACT, Cumulative Increase]	Y	
Part 3c	Ammonia limit [Basis: Toxic Management]	N	
Part 4	Continuous fuel monitor requirement [Basis: Cumulative Increase]	Y	
Part 5a	NOx, O2 CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 5b	Annual CO source test requirement [Basis: BACT, Cumulative Increase]	Y	
Part 6	Fuel gas TRS concentration limit [Basis: BACT, Cumulative Increase, SO2 bubble]	Y	
Part 7a	TRS testing requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 7b	TRS records requirement [Basis: BACT, Cumulative Increase, SO2 Bubble]	Y	
Part 10	Recordkeeping [Basis: 2-6-503]	Y	
BAAQMD			
Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	

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

	S45 – UNII 240 B-001A/B, HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/9/08)	, ,	
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		
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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 (11/19/08;		
Regulation 2,	SIP approved 1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	N	
2-1-501	Monitors shall comply with Volume V of the Manual of Procedures	Y	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		_
Regulation 2,	Permits, General Requirements (1/26/99 {adopted 11/01/89})		
Rule 1			
2-1-403	Permit conditions requiring measurement of emissions	Y – note 1	
BAAQMD	Particulate Matter, General Requirements (12/5/07)		
Regulation 6,			
Rule 1			

Table IV – A.36 Source-specific Applicable Requirements S45 – UNIT 246 B-801A/B, HEATER

	545 – UNII 240 D-801A/D, HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Weight Limitation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume V			
40 CFR 60	General Provisions (2/12/98)		
Subpart A			
60.7	Notification and record keeping	Y	
60.7(a)	Various notifications	Y	
60.7(a)(1)	Notification of date of construction	Y	
60.7(a)(3)	Notification of startup date	Y	
60.7(a)(4)	Notification of any physical or operational change to an existing facility	Y	
60.7(a)(5)	Notification of date of beginning of CEM performance demonstration	Y	
60.7(b)	Records of any startup, shutdown, or malfunction, malfunction of control equipment; or periods when a CEM is inoperative	Y	
60.7(c)	Excess emissions and monitoring systems performance reports	Y	
60.7(d)	Summary reports	Y	
60.7(e)	Reduction of frequency of reports	Y	
60.7(f)	Records of monitoring	Y	
60.7(g)	Notification substantially similar to 40 CFR 60.7	Y	
60.13	Monitoring requirements	Y	
60.13(a)	Continuous monitoring systems subject to Appendix B, and Appendix F, (if used to demonstrate compliance with continuous emission limits), of Part 60	Y	
60.13(b)	Continuous monitoring systems and devices operational prior to	Y	

Table IV – A.36 Source-specific Applicable Requirements S45 – UNIT 246 B-801A/B, HEATER

	545 – UNII 240 D-001A/D, HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	performance tests required by 60.8		
60.13(d)(1)	Continuous monitoring system zero and span calibration requirements	Y	
60.13(e)	Continuous monitoring system minimum frequency of operation	Y	
60.13(e)(2)	Continuous monitoring system minimum frequency of operation for non-opacity-measuring devices	Y	
60.13(f)	Continuous monitoring system installation location requirement	Y	
NSPS	Standards of Performance for Petroleum Refineries (7/1/00)		
40 CFR 60,			
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to	Y	
	combustion (in lieu of separate combustion device exhaust SO2		
	monitors as required by 60.105(a)(3))		
60.105(e)(3)	Excess H2S emission definitions for 60.7(c)	Y	
(ii)			
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
NSPS	Appendix A to Part 60 – Test Methods	Y	
40 CFR 60,			
Appendix A			
40 CFR 60	Performance Specifications		
Appendix B	Specifications and Test Dressedwass for SO2 and NOn Cont	V	
Performance Specification 2	Specifications and Test Procedures for SO2 and NOx Continuous Emission Monitoring Systems in Stationary Sources	Y	
Performance		Y	
Specification 7	H2S continuous emission monitoring systems	1	
40 CFR 60	Quality Assurance Procedures		
Appendix F	Quanty 1359tranec 110ccutes		
Procedure 1	QA requirements for gas continuous emission monitoring systems	Y	
40 CFR 63,	Requirements for Control Technology Determinations for Major	Y	

Table IV – A.36 Source-specific Applicable Requirements S45 – UNIT 246 B-801A/B, HEATER

	S43 – UNII 240 B-001A/B, HEATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Subpart B	Sources in Accordance With Clean Air Act Sections, Sections		
	112(g) and 112(j)		
63.50	Applicability	Y	
63.51	Definitions	Y	
63.52	Approval process for new and existing affected sources	Y	
63.53	Application content for case-by-case MACT determinations	Y	
63.54	Preconstruction review procedures for new affected sources	Y	
63.55	Maximum achievable control technology (MACT) determinations for affected sources subject to case-by-case determination of equivalent emission limitations	Y	
63.56	Requirements for case-by-case determination of equivalent emission limitations after promulgation of subsequent MACT standard	Y	
BAAQMD Condition 22962			
Part 1	Usage of refinery fuel gas or natural gas [BACT, Cumulative Increase]	Y	
Part 2	Throughput Limits [Cumulative Increase]	Y	
Part 3	Abatement with SCR [BACT, Cumulative Increase]	Y	
Part 4a	NOx concentration limit [BACT, Cumulative Increase]	Y	
Part 4b	CO concentration limit when operating under 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]	Y	
Part 4c	POC mass emission limit [Cumulative Increase]	Y	
Part 4d	PM10 mass emission limit [BACT, Cumulative Increase]	Y	
Part 4e	CO concentration limit when operating above 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]	Y	
Part 5	Ammonia concentration limit [BAAQMD Regulation 2, Rule 5]	N	
Part 6a	Annual emission limit for NOX [BACT, Cumulative Increase]	Y	
Part 6b	Annual emission limit for CO [BACT, Cumulative Increase]	Y	
Part 6c	Annual emission limit for POC [BACT, Cumulative Increase]	Y	
Part 6d	Annual emission limit for PM10 [BACT, Cumulative Increase]	Y	
Part 6e	Annual emission limit for SO2 [BACT, Cumulative Increase]	Y	
Part 7	Fuel flow monitors and recorders [Cumulative Increase]	Y	
Part 8	NOx and O2 monitors [BACT, Cumulative Increase]	Y	
Part 9	CO source tests [BACT, Cumulative Increase]	Y	

186

Table IV – A.36 Source-specific Applicable Requirements S45 – UNIT 246 B-801A/B, HEATER

	543 - UNII 240 B-001A/B, HEATER	Endonally	Futumo
	D 1.0 700	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 10	Sulfur content in fuel [BACT, Cumulative Increase]	Y	
Part 11	Monitoring for sulfur content in fuel [BACT, Cumulative Increase]	Y	
Part 12	Records of sulfur content [BACT, Cumulative Increase]	Y	
Part 14	Records of startups, shutdowns, and heater dryout/warmup periods [2-6-503]	Y	
Part 15	Approval of the design and location of the source test ports [1-501]	Y	
Part 16	Source tests for NOx, CO, POC, PM10, ammonia, and sulfuric acid mist [BACT, Cumulative Increase, Regulation 2, Rule 5]	Y	
Part 17	Source test and continuous emission monitoring requirements [BACT, Cumulative Increase]	Y	
BAAQMD Condition 22970			
Part A.1	Applicability of Condition 22970 [Cumulative increase, PSD]	Y	
Part A.2a	Annual NOx limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2b	Annual SO2 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2c	Annual PM10 limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase, PSD]	Y	
Part A.2d	Annual POC limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2e	Annual CO limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [Cumulative increase]	Y	
Part A.2f	Annual sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [PSD]	Y	
Part A.2g	Annual ammonia limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit [BAAQMD Regulation 2, Rule 5]	N	
Part A.3	Daily sulfuric acid mist limit for S45, Heater, S434, U246 High Pressure Reactor Train; and S1010, Sulfur Recovery Unit at Facility A0016 and S2 at B7419. [PSD]	Y	
Part A.4.a	Determination of compliance with Part A.2 [Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]		
Part A.4.a.i	NOx data from NOx CEM	Y	

187

Table IV – A.36 Source-specific Applicable Requirements S45 – UNIT 246 B-801A/B, HEATER

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

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

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	Petroleum Refineries		
8-8-603	Inspection Procedures	N	
SIP	Organic Compounds, Wastewater (Oil-Water) Separators		
Regulation 8,	(8/29/94)		
Rule 8			
8-8-603	Inspection Procedures	Y	
40 CFR 60,	Standards of Performance for VOC Emissions from Petroleum		
Subpart QQQ	Refinery Wastewater Systems (10/17/00)		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities constructed, modified, or reconstructed after May 4, 1987	Y	
60.690(a)(2)	Wastewater sumps are considered part of an individual drain system which is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of startup, shutdown, or malfunction	Y	
60.692-1(b)	Determine compliance through review of records and reports, performance test results, and inspections	Y	
60.692-2 (c)(1)	Wastewater sumps in the wastewater process sewer line shall not be open to the atmosphere and shall be covered or enclosed in a manner	Y	
	with no visible gaps or cracks in joints, seals.		
60.692-2 (c)(2)	The portion of each unburied wastewater sump in the wastewater process sewer line shall be visually inspected semiannually for indication of cracks, gaps, or other problems that could result in VOC emissions	Y	
60.692-2 (c)(3)	Whenever cracks, gaps, or other problems are detected, repairs shall be made as soon as practicable, but not later than 15 calendar days after identification, except as provided in 60.692-6.	Y	
60.692-6(a)	Delays of repairs are allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Y	
60.692-6(b)	Delayed repairs shall be completed before the end of the next refinery or process unit shutdown.	Y	
60.697(a)	Each owner or operator shall comply with the recordkeeping provisions of Subpart QQQ.	Y	
60.697(b)(3)	Record the location, date, and corrective action for inspections required by 60.692-2(c) when a problem is identified that could	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	result in VOC emissions.		
60.697(e)(1)	If an emission point cannot be repaired or corrected without a process unit shutdown, record the expected date of a successful repair.	Y	
60.697(e)(2)	The reason for the delay as specified in 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time.	Y	
60.697(e)(3)	The signature of the owner or operator whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded.	Y	
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply with the provisions of this subpart shall be kept for the life of the source in a readily accessible location.	Y	
60.697(f)(2)	Detailed information pertaining to the design specifications shall be kept.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of the required inspections have been carried out in accordance with Subpart QQQ standards.	Y	
60.698(c)	Submit semiannually to the Administrator a report that summarizes all inspections when cracks, gaps, or other problems that could result in VOC emissions are identified, including information about the repairs or corrective actions taken	Y	
BAAQMD Condition 1440			
Part 4b	Monthly leak inspections in accordance with Reg. 8-8-603. After three consecutive monthly inspections with no leaks detected, conduct quarterly inspections for the equipment. [Basis: Cumulative Increase]	Y	
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S400, S401 [Basis: 2-1-234.3]	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
BAAQMD	Wastewater (Oil-Water) Separator (9/15/04)	N	2400
Regulation 8,			
Rule 8			
8-8-113	Exemption, secondary wastewater treatment processes and storm water sewer systems	Y	
8-8-114	Exemption, bypassed oil-water separator or air flotation influent	Y	
8-8-302	Wastewater separators rated capacity larger than or equal to 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	N	
8-8-302.1	a solid, vapor-tight, full contact fixed cover which totally encloses the separator tank, chamber, or basin liquid contents, with all cover openings closed and sealed, except when the opening is being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-306	Wastewater separator effluent channels rated capacity larger than or equal to 25.2 liters per second (400 gal/min) must be equipped with one of the following:	Y	
8-8-306.1	a solid, gasketed, fixed cover total enclosing the oil-water separator effluent channel liquid contents, with all cover openings closed, except when being used for inspection, maintenance, or wastewater sampling.	Y	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	N	
8-8-503	Maintain records for semiannual gap inspections, closure requirements, and repairs for oil-water separator effluent channel fixed roof seals, access doors, and other openings.	Y	
SIP Regulation 8, Rule 8	Wastewater (Oil-Water) Separator (8/29/94)	Y	
8-8-302	Wastewater separators rated capacity larger than or equal to 18.9 liters per seconds (300 gal/min), must be equipped with one of the following:	Y	
8-8-501	Maintain records when wastewater bypasses the API Separator or the Air Floatation Unit	Y	
40 CFR 60,	Standards of Performance for VOC Emissions from Petroleum	N	

191

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

	9324 ATT OIL WASTEWATER SELARATOR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Subpart QQQ	Refinery Wastewater Systems (10/17/00)	, ,	
1 (1)	(S324 Oil/Water Separator only)		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities	Y	
. , , ,	constructed, modified, or reconstructed after May 4, 1987		
60.690(a)(3)	An oil-water separator is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of	Y	
	startup, shutdown, or malfunction		
60.692-1(b)	Determine compliance through review of records and reports,	Y	
,	performance test results, and inspections		
60.692-3 (a)	Each oil-water separator tank, slop oil tank, storage vessel, or other	Y	
,	auxiliary equipment shall be equipped and operated with a fixed roof		
	which meets the following specifications:		
60.692-3 (a)(1)	The fixed roof shall completely cover the separator tank, slop oil	Y	
	tank, storage vessel or other auxiliary equipment.		
60.692-3 (a)(2)	The vapor space under a fixed roof shall not be purged unless the	Y	
	vapor is directed to a control device.		
60.692-3 (a)(3)	Roof access doors or openings shall be gasketed, latched, and kept	Y	
	closed during operation, except during inspection and maintenance.		
60.692-3 (a)(4)	Roof seals, access doors, and other openings shall be checked by	Y	
	visual inspection initially and semiannually thereafter.		
60.692-3 (a)(5)	When a broken seal or gasket or other problem is identified repairs	Y	
	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	Y	
	oil handling equipment shall be collected, stored, transported,		
	recycled, reused, or disposed of in an enclosed system.		
60.692-6(a)	Delays of repairs are allowed if the repair is technically impossible	Y	
	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next	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(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.		

192

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

	5524 ATT OIL/ WASTEWATER SELARATOR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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		
	in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown		
	shall be recorded.		
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to comply	Y	
	with the provisions of this subpart shall be kept for the life of the		
	source in a readily accessible location.		
60.697(f)(2)	Detailed information pertaining to the design specifications shall be	Y	
	kept.		
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	Y	
	the required inspection have been carried out in accordance with		
	Subpart QQQ standards.		
60.698(c)	Submit semiannually to the Administrator a report that summarizes	Y	
	all inspections when cracks, gaps, or other problems that could result		
	in VOC emissions are identified, including information about the		
	repairs or corrective actions taken		
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/04/2003)		
40 CFR 61.347	Standards: Oil-water separators	Y	
40 CFR	Standards: Oil-water separators	Y	
61.347(a)			
40 CFR	Fixed-roof: no detectable emissions	Y	
61.347(a)(1)			
(i)(A)			
40 CFR	Fixed-roof: Openings	Y	
61.347(a)(1)			
(i)(B)			
40 CFR	Closed vent systems comply with 61.349	Y	
61.347(a)(1)			
(ii)			

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

5524 AFT OIL/ WASTEWATER SEPARATOR			
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Quarterly visual inspection	Y	
61.347(b)			
40 CFR	First efforts at repair	Y	
61.347(c)			
BAAQMD			
Condition			
1440			
Part 1	No vapor space in separator [Basis: Cumulative Increase]	Y	
Part 4a	Monthly leak inspections in accordance with Reg. 8-8-603. After	Y	
	three consecutive monthly inspections with no leaks detected,		
	conduct quarterly inspections for doors, hatches, covers or other		
	openings [Basis: Cumulative Increase]		
Part 5	VOC monitoring 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			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/9/08)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	

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

	S1007 DISSOLVED AIR PLOTATION UNIT	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-523.3	Reports of Violations	Y ¹	
BAAQMD	Particulate Matter and Visible Emissions (12/5/07)		
Regulation 6,	<u>====</u>		
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Wastewater Collection and Separation Systems (9/15/04)		
Regulation 8,			
Rule 8			
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation	Y	
	unit flocculation sump, basin, chamber or tank with a maximum		
	allowable capacity greater than 400 gals/min unless is equipped		
	with one of the following:		
8-8-307.1	A solid, gasketed, fixed cover totally enclosing the air flotation and	Y	
	pre-air-flotation-unit flocculation tank, chamber, or basin		
	(compartment) liquid contents, with all cover openings closed,		
	except when the opening is being used for inspection, maintenance,		
	or wastewater sampling. The cover may include an atmospheric		
	vent or pressure/vacuum valve. Roof seals, access doors, and other		
	openings shall be checked by visual inspection initially and		
	semiannually thereafter to ensure that no cracks or gaps greater		
	than 0.32 cm (0.125 inch) occur in the roof or between the roof and		
	wall; and that the access doors and other openings are closed and		
	gasketed properly; (Standard applies when unit not controlled by		
	organic compound vapor recovery system)		
8-8-307.2	Organic compound vapor recovery system with a combined	N	
	collection and control efficiency of at least 70 percent by weight		
	(Standard applies when unit controlled by organic compound vapor		

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

	S1007 DISSOLVED AIR FLOTATION UNIT	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	recovery system)		
SIP	Wastewater (Oil-Water) Separators (8/2/94)	Y	
Regulation 8,			
Rule 8			
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation	Y	
	unit flocculation sump, basin, chamber or tank with a maximum		
	allowable capacity greater than 400 gals/min unless is equipped		
	with one of the following:		
8-8-307.2	Organic compound vapor recovery system with a combined	Y	
	collection and control efficiency of at least 70 percent by weight		
	(Standard applies when unit controlled by organic compound vapor		
	recovery system)		
40 CFR 61,	General Provisions (11/7/85)		
Subpart A			
61.5	Prohibited Activities	Y	
61.10	Source reporting and waiver request	Y	
61.10(c)	Changes in information provided	Y	
61.10(d)	Format for reporting	Y	
61.10(e)	Calendar days	Y	
61.10(f)	Requirement for postmarks	Y	
61.10(g)	Alternate deadlines pursuant to agreement with Administrator	Y	
61.10(h)	Coordination of federal reports with state reports	Y	
61.10(i)	Common schedules	Y	
61.10(j)	Procedure for adjusting deadlines	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.16	Availability of information	Y	
61.17	State authority	Y	
61.19	Circumvention	Y	
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/04/2003) (Applies to DAF and Thermal Oxidizer (A49) or		
	Carbon Adsorption (A51) when A49 and/or A51 are in		
	operation)		

196

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

	STOOT DISSOLVED AIR PLOTATION CIVI	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.340(a)	Applicability: Chemical Manufacturing, coke by-product recovery,	Y	
	petroleum refineries		
61.343	Standard: Tanks	Y	
61.343(a)	Control of tanks	Y	
61.343(a)(1)	Fixed-roof and closed-vent system that routes all organic vapors to	Y	
	a control device		
61.343(a)(1)	No detectable emissions over 500 ppmv	Y	
(i)(A)			
61.343(a)(1)	Closed and sealed openings	Y	
(i)(B)			
61.343(a)(1)	Operation below atmospheric pressure	Y	
(i)(C)			
61.343(a)(1)	Standards: Tanks; Closed-vent systems are subject to 61.349	Y	
(ii)			
61.343(c)	Quarterly inspections	Y	
61.343(d)	Repair as soon as practicable but no later than 45 days after identification	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(k)	Determination of benzene quantity	Y	
61.355(k)(2)	Determination of benzene quantity from controlled sources	Y	
61.355(k)(5)	Procedure for calculation of benzene quantity	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(b)	Identification of waste streams	Y	
61.356(b)(4)	Measurements, calculations, and documentation used to determine	Y	
	that total benzene quantity is less than 6.0 Mg/yr		
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343	Y	
	through 61.347		
61.356(h)	Recordkeeping Requirements: Leak Monitoring	Y	
61.356(m)	Monitoring of pressure in head space	Y	
61.357	Reporting requirements	Y	
61.357(d)(7)	Quarterly reports	Y	
61.357(d)(7)	Periods of operation equal to or greater than atmospheric pressure	Y	

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

S1007 DISSOLVED AIR FLOTATION UNIT				
Ammliaabla	December 1941 au	Federally	Future Effective	
Applicable	Regulation Title or	Enforceable		
Requirement	Description of Requirement	(Y/N)	Date	
(v)				
BAAQMD				
Condition				
1440				
Part 4b	Monthly leak inspections in accordance with Reg. 8-8-603. After	Y		
	three consecutive monthly inspections with no leaks detected,			
	conduct quarterly inspections for the equipment. [Basis:			
	Cumulative Increase]			
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y		
Part 6	Maximum wastewater throughput [Basis: Cumulative Increase]	Y		
Part 7	Control of DAF to provide POC offsets [Offsets, CEQA]	Y		
Part 7a	Source test requirement; contingency if 44 tons of POC reduction	Y		
	not achieved [Offsets, CEQA]			
Part 7b.i	Source test of A49, DAF Thermal oxidizer [Offsets, CEQA]	Y		
Part 7b.ii	Temperature excursions [Offsets, CEQA]	Y		
Part 7b.iii	Temperature measuring device [Offsets, CEQA]	Y		
Part 7b.v	Source tests for SO2 [Offsets, CEQA]	Y		
Part 7b.vi	Contingency if SO2 emissions are greater than 1.2 tons per year	Y		
	[Offsets, CEQA]			
Part 7c	Requirements for A51, DAF Carbon Bed [Offsets]	Y		
Part 9	Requirement to seal DAF outlet channel and downstream sumps.	Y		
	Any vents on the channel shall be abated. [Offsets, CEQA]			
Part 10	Requirement for use of thermal oxidizer at least 90%. [CEQA]	N		
Part 11	Alternate operating scenario: contingency for non-operation of	Y		
	control devices; must record beginning and end in			
	contemporaneous log			
BAAQMD				
Condition				
22970				
Part B	Offset Report [2-1-403, 2-2-410]	Y		
BAAQMD	Throughput limit for S1007 [Basis: 2-1-234.3]	Y		
Condition				
20989, Part A				

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

	A4) DAF HIERMAL CAIDIZER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/9/08)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of Inoperation	Y	
1-523.2	Limits on periods of Inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	\mathbf{Y}^{1}	
BAAQMD	Particulate Matter, General Requirements (12/5/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Wastewater Collection and Separation Systems (9/15/04)		
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:		

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

	A49 DAF THERMAL OXIDIZER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	Organic compound vapor recovery system with a combined	N	
8-8-307.2	collection and control efficiency of at least 70 percent by weight		
	(Standard applies when unit controlled by organic compound vapor		
	recovery system)		
SIP	Wastewater (Oil-Water) Separators (8/2/94)	Y	
Regulation 8,			
Rule 8			
8-8-307	Air Flotation Unit:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined	Y	
	collection and control efficiency of at least 70 percent by weight		
	(Standard applies when unit controlled by organic compound vapor		
40.077.44	recovery system)		
40 CFR 61,	General Provisions (11/7/85)		
Subpart A			
61.5	Prohibited Activities	Y	
61.10	Source reporting and waiver request	Y	
61.10(c)	Changes in information provided	Y	
61.10(d)	Format for reporting	Y	
61.10(e)	Calendar days	Y	
61.10(f)	Requirement for postmarks	Y	
61.10(g)	Alternate deadlines pursuant to agreement with Administrator	Y	
61.10(h)	Coordination of federal reports with state reports	Y	
61.10(i)	Common schedules	Y	
61.10(j)	Procedure for adjusting deadlines	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.16	Availability of informations	Y	
61.17	State authority	Y	
61.19	Circumvention	Y	
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/04/2003) (Applies to closed vent system and control devices		
	from DAF to Thermal Oxidizer (A49) or Carbon Adsorption		
	(A51) when A49 and/or A51 are in operation)		
	(A51) when A49 and/or A51 are in operation)		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.340(a)	Applicability: Chemical Manufacturing, coke by-product recovery,	Y	
	petroleum refineries		
61.349	Standards: Closed-Vent Systems and Control Devices	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices;	Y	
	Applicability		
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	Y	
<1.240/ \/1\	system requirements	37	
61.349(a)(1)	Standards: Closed-Vent System design and requirements: no	Y	
(i)	detectable emissions above 500 ppm	***	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	Y	
(ii)(B)	system requirements; no requirement for flow indicator for car-		
<1.040/\/1\	sealed valves on bypass lines in closed-vent systems	***	
61.349(a)(1)	Standards: Closed-vent Systems and Control Devices; Closed vent	Y	
(iii)	system requirements; Gauging/sampling devices are gas-tight		
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	Y	
(iv)	system requirements; Safety valve provisions		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control	Y	
	device requirements		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Enclosed	Y	
(i)	combustion device requirements		
61.349(a)(2)	Controlled by enclosed combustion device with 95% or greater	Y	
(i)(A)	control efficiency		
61.349(b)	Operation of control device at all times	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control	Y	
	Device Performance Demonstration		
61.349(c)(2)	Performance tests	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks; 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354	Monitoring of Operations		
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices	Y	
	- Continuously monitor control device operation		
61.354(c)(1)	Monitor thermal vapor incinerator temperature (for A49)	Y	
61.354(d)	Monitor on a daily basis or at intervals no greater than 20% of the	Y	
	design carbon replacement interval, whichever is greater. Replace		

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

	A49 DAF THERMAL OXIDIZER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	carbon immediately when carbon breakthrough is indicated (for		
	A51)		
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Monitoring of Operations; Closed vent system with bypass line;	Y	
	Visually inspect carseal/valve positions monthly		
61.354(g)	Monitoring of Operations; Pressure Monitor	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(i)	Performance test procedures	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control	Y	
	device per 61.349 – retain for life of device		
61.356(f)(1)	Recordkeeping Requirements; certification of performance level	Y	
61.356(f)(3)	Requirements for performance tests	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through	Y	
	61.347		
61.356(h)	Recordkeeping Requirements: Leak Monitoring		
61.356(j)	Recordkeeping Requirements: Control device operation	Y	
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y	
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y	
61.356(j)(3)	Recorrdkeeping Requirements: periods when closed vent system and	Y	
	control device are not operating		
61.356(j)(3)	Recordkeeping Requirements: Bypass Line Controls	Y	
(i)			
61.356(j)(4)	Recordkeeping Requirements: Thermal vapor incinerator records of	Y	
	temperature (for DAF TO, A49)		
61.356(m)	Monitoring of pressure in head space	Y	
61.357	Reporting requirements	Y	
61.357(d)(7)	Quarterly reports		
61.357(d)(7)	Reports of periods of operation below design combustion zone	Y	
(iv)(A)	temperature		
61.357(d)(7)	Periods of operation equal to or greater than atmospheric pressure	Y	
(v)			

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

	A47 DAI THERMAL CAIDIZER			
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
BAAQMD				
Condition				
1440				
Part 7	Control of DAF to provide POC offsets [Offsets, CEQA]	Y		
Part 7a	Source test requirement; contingency if 44 tons of POC reduction	Y		
	not achieved [Offsets, CEQA]			
Part 7b.vi	Contingency if SO2 emissions are greater than 1.2 tons per year	Y		
	[Offsets, CEQA]			
Part 9	Requirement to seal DAF outlet channel and downstream sumps.	Y		
	Any vents on the channel shall be abated. [Offsets, CEQA]			
Part 10	Alternate operating scenario: contingency for non-operation of	Y		
	control devices; must record beginning and end in contemporaneous			
	log			
Part 11	Requirement for use of thermal oxidizer at least 90%. [CEQA]	N		
BAAQMD				
Condition				
22970				
Part B	Offset Report [2-1-403, 2-2-410]	Y	_	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (7/9/08)	, ,	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	

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

	ASI DAF CARBON BED	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	General Provisions and Definitions (6/28/99)	(1/14)	Date
Regulation 1	General Provisions and Definitions (0/20/77)		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y-note 1	
1-523.3	Reports of Violations	Y ¹	
BAAQMD	Particulate Matter, General Requirements (12/5/07)	1	
Regulation 6,	rationate Matter, General Requirements (<u>12/5/07</u>)		
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Wastewater Collection and Separation Systems (9/15/04)		
Regulation 8, Rule 8			
8-8-307	Air Flotation Unit: any air flotation unit and/or pre-air flotation unit flocculation sump, basin, chamber or tank with a maximum allowable capacity greater than 400 gals/min unless is equipped with one of the following:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined collection and control efficiency of at least 70 percent by weight (Standard applies when unit controlled by organic compound vapor recovery system)	N	
SIP	Wastewater (Oil-Water) Separators (8/2/94)	Y	
Regulation 8, Rule 8			
8-8-307	Air Flotation Unit:	Y	
8-8-307.2	Organic compound vapor recovery system with a combined	Y	
	collection and control efficiency of at least 70 percent by weight		
	(Standard applies when unit controlled by organic compound vapor		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	recovery system)		
40 CFR 61,	General Provisions (11/7/85)		
Subpart A			
61.5	Prohibited Activities	Y	
61.10	Source reporting and waiver request	Y	
61.10(c)	Changes in information provided	Y	
61.10(d)	Format for reporting	Y	
61.10(e)	Calendar days	Y	
61.10(f)	Requirement for postmarks	Y	
61.10(g)	Alternate deadlines pursuant to agreement with Administrator	Y	
61.10(h)	Coordination of federal reports with state reports	Y	
61.10(i)	Common schedules	Y	
61.10(j)	Procedure for adjusting deadlines	Y	
61.12	Compliance with standards and maintenance requirements	Y	
61.13	Emission tests and waiver of emission tests	Y	
61.14	Monitoring requirements	Y	
61.15	Modification	Y	
61.16	Availability of informations	Y	
61.17	State authority	Y	
61.19	Circumvention	Y	
40 CFR 61	National Emission Standards for Benzene Waste Operations		
Subpart FF	(12/04/2003) (Applies to closed vent system and control devices		
	from DAF to Thermal Oxidizer (A49) or Carbon Adsorption		
	(A51) when A49 and/or A51 are in operation)		
61.340(a)	Applicability: Chemical Manufacturing, coke by-product recovery,	Y	
	petroleum refineries		
61.349	Standards: Closed-Vent Systems and Control Devices	Y	
61.349(a)	Standards: Closed-Vent Systems and Control Devices;	Y	
	Applicability		
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	Y	
(1.240(.)(1)	system requirements	37	
61.349(a)(1)	Standards: Closed-Vent System design and requirements: no	Y	
(i)	detectable emissions above 500 ppm	***	
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	Y	
(ii)(B)	system requirements; no requirement for flow indicator for car-		
	sealed valves on bypass lines in closed-vent systems		

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

	ASI DAF CARBON DED	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
61.349(a)(1)	Standards: Closed-vent Systems and Control Devices; Closed vent	Y	
(iii)	system requirements; Gauging/sampling devices are gas-tight		
61.349(a)(1)	Standards: Closed-Vent Systems and Control Devices; Closed vent	Y	
(iv)	system requirements; Safety valve provisions		
61.349(a)(2)	Standards: Closed-Vent Systems and Control Devices; Control	Y	
	device requirements		
61.349(a)(2)	Vapor recovery system (e.g.carbon adsorption system) recovers or	Y	
(ii)	controls organic emissions with an efficiency of 95% or greater by		
	weight VOC or 98% or greater for Benzene (applies only to A51,		
	DAF Carbon Adsorption)		
61.349(b)	Operation of control device at all times	Y	
61.349(c)	Standards: Closed-Vent Systems and Control Devices; Control	Y	
	Device Performance Demonstration		
61.349(c)(2)	Performance tests	Y	
61.349(e)	Administrator may request performance tests	Y	
61.349(f)	Visually inspect for leaks quarterly	Y	
61.349(g)	Repair leaks; 5 days for first attempt; 15 days for complete repair	Y	
61.349(h)	Monitor per 61.354(c)	Y	
61.354	Monitoring of Operations		
61.354(c)	Monitoring of Operations; Closed-vent systems and control devices	Y	
	- Continuously monitor control device operation		
61.354(d)	Monitor on a daily basis or at intervals no greater than 20% of the	Y	
	design carbon replacement interval, whichever is greater. Replace		
	carbon immediately when carbon breakthrough is indicated (for		
	A51)		
61.354(f)	Monitoring of Operations; Closed vent system with bypass line	Y	
61.354(f)(1)	Monitoring of Operations; Closed vent system with bypass line;	Y	
	Visually inspect carseal/valve positions monthly		
61.354(g)	Monitoring of Operations; Pressure Monitor	Y	
61.355	Test methods, procedures and compliance provisions	Y	
61.355(h)	Leak inspection procedures	Y	
61.355(i)	Performance test procedures	Y	
61.356	Recordkeeping requirements	Y	
61.356(a)	Recordkeeping and retention requirements	Y	
61.356(d)	Engineering design documentation for all control equipment	Y	
61.356(f)	Recordkeeping Requirements: Closed vent system and control	Y	

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

ASI DAI CARDON DED				
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
	device per 61.349 – retain for life of device			
61.356(f)(1)	Recordkeeping Requirements; certification of performance level	Y		
61.356(f)(3)	Requirements for performance tests	Y		
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y		
61.356(h)	Recordkeeping Requirements: Leak Monitoring			
61.356(j)	Recordkeeping Requirements: Control device operation	Y		
61.356(j)(1)	Recordkeeping Requirements: dates of startup and shutdown	Y		
61.356(j)(2)	Recordkeeping Requirements: description of parameters	Y		
61.356(j)(3)	Recorrdkeeping Requirements: periods when closed vent system and control device are not operating	Y		
61.356(j)(3) (i)	Recordkeeping Requirements: Bypass Line Controls	Y		
61.356(j)(10)	Recordkeeping Requirements: Carbon Adsorption records of monitoring, breakthrough, and carbon replacement (for DAF Carbon Adsorption, A51)	Y		
61.356(m)	Monitoring of pressure in head space	Y		
61.357	Reporting requirements	Y		
61.357(d)(7)	Quarterly reports			
61.357(d)(7) (iv)(D)	Reports of periods of operation at concentrations 20% higher than design	Y		
61.357(d)(7) (iv)(I)	Reports of instances where carbon is not replaced at pre-determined intervals	Y		
61.357(d)(7) (v)	Periods of operation equal to or greater than atmospheric pressure	Y		
BAAQMD				
Condition				
1440				
Part 7	Control of DAF to provide POC offsets [Offsets, CEQA]	Y		
Part 7a	Source test requirement; contingency if 44 tons of POC reduction not achieved [Offsets, CEQA]	Y		
Part 7c	Requirements for A51, DAF Carbon Bed [Offsets]	Y		
Part 9	Requirement to seal DAF outlet channel and downstream sumps. Any vents on the channel shall be abated. [Offsets, CEQA]	Y		
Part 10	Alternate operating scenario: contingency for non-operation of	Y		
			1	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	control devices; must record beginning and end in contemporaneous		
	log		
BAAQMD			
Condition			
22970			
Part B	Offset Report [2-1-403, 2-2-410]	Y	

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	Monthly leak inspections in accordance with Reg. 8-8-603. After	Y	
	three consecutive monthly inspections with no leaks detected,		
	conduct quarterly inspections for the equipment. [Basis:		
	Cumulative Increase]		
Part 5	VOC monitoring records [Basis: Cumulative Increase]	Y	
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	Regulation Title or	Federally Enforceable	Future Effective Date
Requirement BAAQMD	Description of Requirement Wastewater Collection and Separation Systems (9/15/04)	(Y/N) N	Date
Regulation 8,	wastewater conceion and Separation Systems (7/15/04)	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 \$1008, \$1009	N	
SIP	Wastewater (Oil-Water) Separators (8/29/94)	Y	
Regulation 8, Rule 8			
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records: record requirements for water which bypasses normal treatment and is diverted to \$1008, \$1009	Y	
BAAQMD			
Condition			
1440			
Part 2	Minimize diversion of wastewater to S1008, S1009 [Basis: Cumulative Increase]	Y	
Part 3	Records of wastewater diversions to S1008, S1009 [Basis: Cumulative Increase]	Y	

Table IV - G

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

S385 – WASTEWATER EFFLUENT MEDIA FILTER F271-F278 S386 – PAC REGENERATION SLUDGE THICKENER F-211 S387 – WET AIR REGENERATION SYSTEM P-202 S390 – THICKENED SLUDGE STORAGE F-106

S392 – REGENERATED PAC SLURRY STORAGE F-266

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1440			
Part 4c	Monthly leak inspections in accordance with Reg. 8-8-603. After	Y	
	three consecutive monthly inspections with no leaks detected,		
	conduct quarterly inspections for the equipment. [Basis:		
	Cumulative Increase]		
Part 5	1 VOC monitoring records [Basis: Cumulative Increase]	Y	
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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater Collection and Separation Systems (9/15/04)	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.		
40 CFR 60,	Standards of Performance for VOC Emissions from Petroleum	N	
Subpart	Refinery Wastewater Systems (10/17/00)		

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

	WASTEWATER GONCTION BOAES	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
QQQ	[APPLIES ONLY TO J-BOXES DOWNSTREAM OF S400,		
	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	Y	
(b)(4)	made as soon as practicable, but not later than 15 calendar days after		
	the broken seal or gap is identified, except as provided in 60.692-6.		
60.692-2 (e)	Refinery wastewater routed through new process drains and a new	Y	
	first common downstream junction box, shall not be routed through		
	a downstream catch basin.		
60.692-6(a)	Delays of repairs are allowed if the repair is technically impossible	Y	
	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next	Y	
	refinery or process unit shutdown.		
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
	provisions of Subpart QQQ.		
60.697(b)(2)	Record the location, date, and corrective action for inspections	Y	
	required by 60.692-2(b) when a broken seal, gap or other problem is		
	identified that could result in VOC emissions.		
60.697(e)(1)	If an emission point cannot be repaired or corrected without a	Y	
	process unit shutdown, record the expected date of a successful		

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Wastewater Collection and Separation Systems (9/15/04)		
Regulation 8			
Rule 8			
8-8-112	Exemption, Wastewater Critical Organic Compound Concentration	N	
	or Temperature		
8-8-116	Limited Exemption, Oil-water Separation Trenches	N	
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		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Kequirement		(1/N)	Date
	include openings in covers/vent pipes if total open area does not exceed 12.6 square inches and vent pipes are 3 ft long.		
8-8-312	Controlled Wastewater Collection System Components at Petroleum	N	
0-0-312	Refineries	IN	
8-8-313	Uncontrolled Wastewater Collection System Components at	N	
	Petroleum Refineries; comply with 8-8-313.1 or 8-8-313.2 for		
	uncontrolled sources		
8-8-313.2	Uncontrolled Wastewater Collection System Components at	N	
	Petroleum Refineries; Inspection and Maintenance Plan Option		
8-8-314	New Wastewater Collection System Components at Petroleum	N	
	Refineries; equip new components with water seal or equivalent		
	control		
8-8-402	Wastewater Inspection and Maintenance Plans at Petroleum	N	
	Refineries		
8-8-402.1	Wastewater Inspection and Maintenance Plans at Petroleum	N	
	Refineries: ID all components and submit to BAAQMD		
8-8-402.2	Wastewater Inspection and Maintenance Plans at Petroleum	N	
	Refineries; complete initial inspection of components		
8-8-402.3	Wastewater Inspection and Maintenance Plans at Petroleum	N	
	Refineries; implement 8-8-313.2 Inspection and Maintenance Plan		
8-8-402.4	Wastewater Inspection and Maintenance Plans at Petroleum	N	
	Refineries; semi-annual inspections of controlled equipment		
8-8-402.5	Wastewater Inspection and Maintenance Plans at Petroleum	N	
	Refineries ; keep records per 8-8-505		
8-8-502	Wastewater Critical Organic Compound Concentration or	N	
	Temperature Records		
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at	N	
	Petroleum Refineries		
8-8-505.1	Records for Wastewater Collection System Components at	N	
	Petroleum Refineries		
8-8-505.2	Records for Wastewater Collection System Components at	N	
	Petroleum Refineries		
8-8-505.3	Records for Wastewater Collection System Components at	N	
	Petroleum Refineries		
8-8-505.4	Records for Wastewater Collection System Components at	N	

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

WASTEWATER PROCESS SEWERS/SEWER LINES			
Amplicable	Regulation Title or	Federally Enforceable	Future Effective
Applicable			
Requirement	Description of Requirement	(Y/N)	Date
0.0.601	Petroleum Refineries	\$7	
8-8-601	Wastewater Analysis for Critical Organic Compounds	Y	
8-8-603	Inspection Procedures	N	
SIP	Organic Compounds, Wastewater (Oil-Water) Separators		
Regulation 8,	(8/29/1994)		
Rule 8			
8-8-112	Exemption, Wastewater Critical OC Concentration or Temperature	Y	
8-8-502	Wastewater Critical OC Concentration and/or Temperature Records	Y	
8-8-603	Inspection Procedures	Y	
40 CFR 60,	Applies to S324 only:		
Subpart	Standards of Performance for VOC Emissions from Petroleum		
QQQ	Refinery Wastewater Systems (10/17/00)		
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	

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

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

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirements	(Y/N)	Date
	For additional requirements for S434, see Table IV-Na.		
	For additional requirements for S1010, see Table IV-Ub.		
40 CFR 60	Standards of Performance for VOC Emissions from Petroleum		
Subpart QQQ	Refinery Wastewater Systems (8/18/95) APPLIES TO S434		
	ONLY		
60.690(a)(1)	Applicability: Subpart QQQ applies to affected facilities	Y	
	constructed, modified, or reconstructed after May 4, 1987		
60.690(a)(2)	An individual drain system is a separate affected facility	Y	
60.692-1(a)	The provisions of Subpart QQQ apply except during periods of	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(a)(1)	Drain water seal control.	Y	
60.692-2(a)(2)	Monthly inspections. Drains in active service.	Y	
60.692-2(a)(3)	Weekly inspection. Drains out of active service.	Y	
60.692-2(a)(4)	Alternative compliance to (a)(3), drains out of active service.	Y	
	Semiannual inspection of caps or plugs.		
60.692-2(a)(5)	Low water level and/or missing plug or cap repair requirements.	Y	
60.692-2(b)(1)	Junction box cover requirement.	Y	
60.692-2(b)(2)	Junction box cover tight seal requirement.	Y	
60.692-2(b)(3)	Junction box semiannual visual inspections.	Y	
60.692-2(b)(4)	Broken seal or gap repair requirements.	Y	
60.692-2(c)(1)	Sewer lines covered and not open to atmosphere.	Y	
60.692-2(c)(2)	Semiannual visual inspection. Unburied sewer lines.	Y	
60.692-2(c)(3)	Sewer line repair requirements.	Y	
60.692-2(e)	Wastewater routed through new process drains can not be routed	Y	
	through a downstream catch basin.		
60.692-6(a)	Delays of repairs are allowed if the repair is technically impossible	Y	
~ ()	without a complete or partial refinery or process unit shutdown.		
60.692-6(b)	Delayed repairs shall be completed before the end of the next	Y	
	refinery or process unit shutdown.		
60.696(a)	Initial equipment inspection.	Y	

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

	ELES 10 5454, CRACKING AND STOTO, SCEPCK R	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirements	(Y/N)	Date
60.697(a)	Each owner or operator shall comply with the recordkeeping	Y	
	provisions of Subpart QQQ.		
60.697(b)(1)	Corrective action recordkeeping: Individual drain systems.	Y	
60.697(b)(2)	Corrective action recordkeeping: Junction boxes.	Y	
60.697(b)(3)	Corrective action recordkeeping: Sewer lines.	Y	
60.697(e)(1)	If an emission point cannot be repaired or corrected without a	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	Y	
	if an emission point or equipment problem is not repaired or		
	corrected in the specified amount of time.		
60.697(e)(3)	The signature of the owner or operator whose decision it was that	Y	
	repair could not be effected without refinery or process shutdown		
	shall be recorded.		
60.697(e)(4)	The date of successful repair or corrective action shall be recorded.	Y	
60.697(f)(1)	A copy of the design specifications for all equipment used to	Y	
	comply 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.		
60.697(g)	Location of capped or plugged drains that are out of active service.	Y	
60.698(b)(1)	Submit semiannually to the Administrator a certification that all of	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		

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 (9/15/04)		
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	N	
	detector as prescribed in EPA Reference Method 21 (40 CFR 60,		
	Appendix A).		
SIP	Wastewater (Oil-Water) Separator (8/29/94)	Y	
Regulation 8,			
Rule 8			
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	

Table IV - K
Source-specific Applicable Requirements
S294 – Non-Retail Gasoline Dispensing Facility

	S294 – NON-RETAIL GASOLINE DISPENSING F	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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 Retain Limit	Y	
8-7-302.13	Spitting Limit	Y	
8-7-302.14	Annual balance Phase II backpressure test	Y	
8-7-302.15	Annual vacuum assist Phase II test	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-315	Pressure Vacuum Valve Requirement, Underground Storage Tank	Y	
8-7-401	Permit Requirements, New and Modified Installations	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing	Y	
8-7-408	Periodic Testing Notification	Y	

Table IV - K Source-specific Applicable Requirements S294 – Non-Retail Gasoline Dispensing Facility

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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			
Condition			
18680			
Part 1	Operation and maintenance standards for vapor recovery system (CARB Executive Order VR-101)	N	
Part 2	36-month testing requirement	N	
BAAQMD	Throughput limits for S294 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation			
12, Rule 11			
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	
12-11-507	Video Monitoring	N	
BAAQMD	Flares at Petroleum Refineries (04/05/06)		
Regulation			
12, Rule 12			
12-12-301	Flare Minimization	N	
12-12-401	Flare Minimization Plan Requirements	N	
12-12-402	Submission of Flare Minimization Plans	N	
12-12-403	Review and Approval of Flare Minimization Plans	N	
12-12-404	Update of Flare Minimization Plans	N	
12-12-405	Notification of Flaring	N	

$\begin{tabular}{l} Table\ IV-L.1\\ Source-specific\ Applicable\ Requirements\\ S296-C-1\ FLARE \end{tabular}$

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
12-12-406	Determination and Reporting of Cause	N	
12-12-408	Designation of Confidential Information	N	
12-12-501	Water Seal Integrity Monitoring	N	
40 CFR	New Source Performance Standards – General Provisions (01/18/08)	Y	
Part 60			
Subpart A			
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumstances	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60			
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 startup,	Y	
	shutdown, upset, or emergency malfunction gas		

$\begin{tabular}{l} Table\ IV-L.1\\ Source-specific\ Applicable\ Requirements\\ S296-C-1\ FLARE \end{tabular}$

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,	Standards of Performance for Equipment Leaks (Fugitive Emission	Y	
Subpart VV;	Sources) (8/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation	(12/20/95)		
10-52	(Standard applies with flares are used as control devices for the purpose		
	of complying with 40 CFR 60.482-4a(c). The main control device is the		
	fuel gas system.)		
60.482-4	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4(c)	Leakage routed to control device	Y	
60.482-10	Standards: Closed vent systems and control devices	Y	
NSPS Part	Applies to S307 and S434, Cracking	Y	
60 Subpart	Standards of Performance for Equipment Leaks of VOC in the		
VVa;	Synthetic Organic Chemicals Manufacturing Industry for Which		
BAAQMD	Construction, Reconstruction, or Modification Commenced After		
Regulation	November 7, 2006 (11/16/07); BAAQMD Standards of Performance		
10-52	for New Stationary Sources (12/20/95) (Applies to equipment in		
	VOC service)		
	(Standard applies with flares are used as control devices for the purpose		
	of complying with 40 CFR 60.482-4a(c). The main control device is the		
	fuel gas system.)		
60.482-4a	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4a(c)	Leakage routed to control device	Y	
60.482.10a	Standards: Closed vent systems and control devices	Y	
BAAQMD			
Condition			
18255			
Part 3	Flaring event definition [Basis: 2-6-409.2]	Y	
Part 4	Flaring event inspection procedure [Basis: 6-301, 2-1-403]	Y	
Part 5	Flaring event compliance criteria [Basis: 2-6-403]	Y	
Part 6	Flaring event records [Basis: 2-6-501, 2-6-409.2]	Y	

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

	5570 - MI -30 I LARE	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD	Flare Monitoring at Petroleum Refineries (06/04/03)		
Regulation			
12, -Rule 11			
12-11-401	Flare Data Reporting Requirements	N	
12-11-402	Flow Verification Report	N	
12-11-501	Vent Gas Flow Monitoring	N	
12-11-502	Vent Gas Composition Monitoring	N	
12-11-502.3	Vent Gas Composition Monitoring	N	
12-11-503	Pilot Monitoring	N	
12-11-504	Pilot and Purge Gas Monitoring	N	
12-11-505	Recordkeeping Requirements	N	
12-11-506	General Monitoring Requirements	N	
12-11-506.1	Periods of Inoperation of Vent Gas Monitoring	N	
12-11-507	Video Monitoring	N	
BAAQMD	Flares at Petroleum Refineries (04/05/06)		
Regulation			
12, Rule 12			
12-12-301	Flare Minimization	N	
12-12-401	Flare Minimization Plan Requirements	N	
12-12-402	Submission of Flare Minimization Plans	N	
12-12-403	Review and Approval of Flare Minimization Plans	N	
12-12-404	Update of Flare Minimization Plans	N	
12-12-405	Notification of Flaring	N	
12-12-406	Determination and Reporting of Cause	N	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
12-12-408	Designation of Confidential Information	N	
12-12-501	Water Seal Integrity Monitoring	N	
40 CFR	New Source Performance Standards – General Provisions (01/18/08)	Y	
Part 60			
Subpart A			
60.1	Applicability	Y	
60.2	Definitions	Y	
60.3	Units and abbreviations	Y	
60.4	Address	Y	
60.5	Determination of construction or modification	Y	
60.6	Review of plans	Y	
60.7	Notification and record keeping	Y	
60.8	Performance tests	Y	
60.9	Availability of information	Y	
60.10	State authority	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumstances	Y	
60.14	Modifications	Y	
60.15	Reconstruction	Y	
60.16	Priority list	Y	
60.17	Incorporation by reference	Y	
60.19	General notification and reporting requirements	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
40 CFR 60			
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 startup,	Y	
	shutdown, upset, or emergency malfunction gas		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,	Standards of Performance for Equipment Leaks (Fugitive Emission	Y	
Subpart VV;	Sources) (8/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation	(12/20/95)		
10-52	(Standard applies with flares are used as control devices for the purpose		
	of complying with 40 CFR 60.482-4a(c). The main control device is the		
	fuel gas system.)		
60.482-4	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4(c)	Leakage routed to control device	Y	
60.482-10	Standards: Closed vent systems and control devices	Y	
NSPS Part	Applies to S307 and S434, Cracking	Y	
60 Subpart	Standards of Performance for Equipment Leaks of VOC in the		
VVa;	Synthetic Organic Chemicals Manufacturing Industry for Which		
BAAQMD	Construction, Reconstruction, or Modification Commenced After		
Regulation	November 7, 2006 (11/16/07); BAAQMD Standards of Performance		
10-52	for New Stationary Sources (12/20/95) (Applies to equipment in		
	VOC service)		
	(Standard applies with flares are used as control devices for the purpose		
	of complying with 40 CFR 60.482-4a(c). The main control device is the		
	fuel gas system.)		
60.482-4a	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4a(c)	Leakage routed to control device	Y	
60.482.10a	Standards: Closed vent systems and control devices	Y	
BAAQMD			
Condition			
18255			
Part 3	Flaring event definition [Basis: 2-6-409.2]	Y	
Part 4	Flaring event inspection procedure [Basis: 6-301, 2-1-403]	Y	
Part 5	Flaring event compliance criteria [Basis: 2-6-403]	Y	
Part 6	Flaring event records [Basis: 2-6-501, 2-6-409.2]	Y	

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

	5500 - C-200 BELATED COKER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds - Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	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 Compounds – Process Vessel Depressurization		
Regulation 8,	(10/03/84)		
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 (4.6 psig)		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	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		

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

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

Table IV - Na

Source-specific Applicable Requirements – Process Vessels S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 – U-240 UNICRACKING UNIT; S309 – U-248 UNISAR UNIT;

S318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 - U-215 GASOLINE FRACTIONATING UNIT;

 ${\bf S322-U\text{-}40~Raw~materials~Receiving;} \ {\bf S339\text{-}U80~Refined~Oil~Shipping~Unit;}$

S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;

	S400 - C-230 CLSD HIDROTREATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	For additional requirements for S434, see Table IV-I.1		
BAAQMD	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	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 Compounds – Process Vessel Depressurization		
Regulation 8,	(10/03/84)		
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 (4.6 psig)		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	

Table IV - Na

Source-specific Applicable Requirements – Process Vessels S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 – U-240 UNICRACKING UNIT; S309 – U-248 UNISAR UNIT;

S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 – U-215 GASOLINE FRACTIONATING UNIT;

 $S322-U\text{-}40\ Raw\ \text{materials}\ Receiving; S339\text{-}U80\ Refined\ Oil\ Shipping\ Unit;}$

S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

8-10-301.4 Cumpro av 8-10-401.1 Cumpro av 8-10-401.2 au atr 8-10-401.3 au 40 CFR 60 St.	escription of Requirement containment such that emissions to atmosphere do not occur arnaround Records. The following records shall be kept for each occess unit turnaround, and retained for at least 2 years and made ailable to the District on demand during inspections: date of depressurization event approximate vessel hydrocarbon concentration when emissions to mosphere begin approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum efinery Wastewater Systems (8/18/95) APPLIES TO S434	Y Y Y Y Y	Date
8-10-401 Tu pro av 8-10-401.1 c attraction at the second s	arnaround Records. The following records shall be kept for each ocess unit turnaround, and retained for at least 2 years and made ailable to the District on demand during inspections: date of depressurization event approximate vessel hydrocarbon concentration when emissions to mosphere begin approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum	Y Y Y	
8-10-401.1 at 8-10-401.3 at 40 CFR 60 St.	ocess unit turnaround, and retained for at least 2 years and made ailable to the District on demand during inspections: date of depressurization event approximate vessel hydrocarbon concentration when emissions to mosphere begin approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum	Y Y	
8-10-401.1 c 8-10-401.2 at 8-10-401.3 at 40 CFR 60 St	ailable to the District on demand during inspections: date of depressurization event approximate vessel hydrocarbon concentration when emissions to mosphere begin approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum	Y Y	
8-10-401.1 attr 8-10-401.3 attr 8-10-401.3 St	date of depressurization event approximate vessel hydrocarbon concentration when emissions to mosphere begin approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum	Y Y	
8-10-401.2 atm 8-10-401.3 a 40 CFR 60 St	approximate vessel hydrocarbon concentration when emissions to mosphere begin approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum	Y Y	
8-10-401.3 a 40 CFR 60 Sta	approximate quantity of POC emissions to atmosphere andards of Performance for VOC Emissions from Petroleum	Y	
40 CFR 60 St	andards of Performance for VOC Emissions from Petroleum		
		Y	
Subpart QQQ Re	efinery Wastewater Systems (8/18/95) APPLIES TO S434		
Ol	NLY. See Table IV-I.1		
BAAQMD Th	nroughput limits for S305, S307, S435, S436, S437 [Basis:	Y	
Condition 2-	1-234.3]		
20989, Part A			
BAAQMD Th	roughput limits for S319 [Basis: 2-1-234.3]	N	
Condition			
20989, Part A			
BAAQMD AI	PPLIES TO S460 ONLY		
Condition			
21094			
Part 1 Da	aily throughput limit [Basis: Regulation 2-1-234]	Y	
Part 2 Th	nroughput records [Basis: Regulation 2-1-234]	Y	
BAAQMD AI	PPLIES TO S304 ONLY		
Condition			
21095			
Part 1 Da	aily throughput limit [Basis: 2-1-234]	Y	
Part 2 Da	aily throughput records [Basis: 2-1-234]	Y	

Table IV - Na

Source-specific Applicable Requirements – Process Vessels S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 - U-240 UNICRACKING UNIT; S309 - U-248 UNISAR UNIT;

S318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 – U-215 GASOLINE FRACTIONATING UNIT;

S322 - U-40 RAW MATERIALS RECEIVING; S339-U80 REFINED OIL SHIPPING UNIT;

S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

	S400 - U-250 ULSD HYDROTREATER	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	APPLIES TO S304, S460 ONLY		
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis:	Y	
	BACT, Cumulative Increase, Toxic Management Policy]		
BAAQMD	[APPLIES TO S318 ONLY]		
Condition			
22549			
Part 1	Daily petroleum liquid throughput limit excluding diesel	Y	
	[Cumulative Increase]		
Part 2	Annual throughput limit [Cumulative Increase]	Y	
Part 3	Daily records of petroleum liquid throughput limit [Cumulative	Y	
	Increase]		
Part 4	Pressure relief devices routed to fuel gas system, furnace or flare	Y	
	with 98% recovery efficiency [8-28-302, BACT]		
BAAQMD	APPLIES TO S307 ONLY		
Condition			
22965			
Part 1	Daily throughput limit [Cumulative Increase]	Y	
Part 2	Daily throughput records [Cumulative Increase]	Y	
Part 3	Pressure relief valves vented to fuel gas recovery system, furnace or	Y	
	flare [8-28-302, BACT]		

Table IV - Na

Source-specific Applicable Requirements – Process Vessels S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 – U-240 UNICRACKING UNIT; S309 – U-248 UNISAR UNIT;

S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 – U-215 GASOLINE FRACTIONATING UNIT;

S322 – U-40 RAW MATERIALS RECEIVING; S339-U80 REFINED OIL SHIPPING UNIT;

S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

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

Table IV - Na

Source-specific Applicable Requirements – Process Vessels S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 – U-230 Prefractionator / Naphtha Hydrotreater;

S307 - U-240 UNICRACKING UNIT; S309 - U-248 UNISAR UNIT;

 $S318-U\text{-}76\ Gasoline\ /\ Mid\text{-}Barrel\ Blending\ Unit;}$

S319 – U-215 GASOLINE FRACTIONATING UNIT;

S322 – U-40 RAW MATERIALS RECEIVING; S339-U80 REFINED OIL SHIPPING UNIT;

S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

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

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

Regulation Title or	Federally Enforceable	Future
8	Enitorceable	Effective
Description of Requirement	(Y/N)	Date
Organic Compounds – Process Vessel Depressurization		
(1/21/2004)		
Depressurization Control Options	N	
Opening of Process Vessels	N	
organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
release to atmosphere	L	
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%	<u> </u>	
Turnaround Records. Annual report due February 1 of each year	N	
with initial report of process vessels due 4/1/2004.	<u> </u>	
Monitoring prior to and during process vessel opening	Y	
Concentration measurement using EPA Method 21	Y	
Recordkeeping	N	
Monitoring Procedures	N	
Organic Compounds – Process Vessel Depressurization		
(10/03/84)		
	<u> </u>	
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 (4.6 psig)		
recovery to the fuel gas system	Y	
combustion at a firebox or incinerator	Y	
combustion at a flare	Y	
containment such that emissions to atmosphere do not occur	Y	
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:		
date of depressurization event	Y	
approximate vessel hydrocarbon concentration when emissions to	Y	
atmosphere begin		
approximate quantity of POC emissions to atmosphere	Y	
	Depressurization Control Options Opening of Process Vessels organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere 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% Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004. Monitoring prior to and during process vessel opening Concentration measurement using EPA Method 21 Recordkeeping Monitoring Procedures Organic Compounds – Process Vessel Depressurization (10/03/84) Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg (4.6 psig) recovery to the fuel gas system combustion at a firebox or incinerator combustion at a flare containment such that emissions to atmosphere do not occur Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: date of depressurization event approximate vessel hydrocarbon concentration when emissions to	Depressurization Control Options N Opening of Process Vessels N organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere 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% Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004. Monitoring prior to and during process vessel opening Y Concentration measurement using EPA Method 21 Y Recordkeeping N Monitoring Procedures Organic Compounds – Process Vessel Depressurization (10/03/84) Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following ways, to as low a vessel pressure as possible, but at least until pressure is reduced to less than 1000 mm Hg (4.6 psig) recovery to the fuel gas system Y combustion at a firebox or incinerator y combustion at a flare Y containment such that emissions to atmosphere do not occur Y Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections: date of depressurization event Y approximate vessel hydrocarbon concentration when emissions to

Table IV – Nb Source-specific Applicable Requirements – Process Vessels S306 – U-231 Platforming Unit; S308 – U-244 Reforming Unit

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 63,	General Provisions (3/16/94)		
Subpart A			
63.1	Applicability (except that Subpart UUU specifies calendar or	Y	
	operating day)		
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited Activities	Y	
63.5	Construction and Reconstruction	Y	
63.5(a)	Applicability	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed	Y	
	sources (replace reference to Section 63.9 with Sections 63.9(b)(4)		
	and (5))		
63.5(c)	[reserved]	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General application requirements	Y	
63.5(d)(1)(i)	Application for approval (except that Subpart UUU specifies the	Y	
	application is submitted as soon as practicable before startup but		
	not later than 90 days (rather then 60) after the promulgation date		
	where construction or reconstruction had commenced and initial		
	startup had not occurred before promulgation.)		
63.5(d)(1)(ii)	Separate application for each construction or deconstruction	Y	
	(Except that emission estimates specified in §63.5(d)(1)(ii)(H) are		
	not required.)		
63.5(d)(3)	Application for approval of reconstruction (Except that	Y	
	§63.5(d)(3)(ii) does not apply.)		
63.5(d)(3)(i)	A brief description of the affected source, etc.	Y	
63.5(d)(3)(iii)	An estimate of the fixed capital cost of the replacements and of	Y	
	constructing a comparable entirely new source		
63.5(d)(3)(iv)	The estimated life of the affected source after the replacements	Y	
63.5(d)(3)(v)	A discussion of any economic or technical limitations	Y	
63.5(d)(3)(vi)	Designation of reconstructed source	Y	
63.5(d)(4)	Additional information	Y	
63.5(e)	Approval of construction or reconstruction	Y	
63.5(f)	Approval of construction or reconstruction based on prior State	Y	
	preconstruction review		

$Table\ IV-Nb$ $Source\text{-specific Applicable Requirements}-Process\ Vessels$ $S306-U\text{-}231\ PLATFORMING\ UNIT;\ S308-U\text{-}244\ REFORMING\ UNIT$

	500 – U-251 PLATFORMING UNIT; 5508 – U-244 REF	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.5(f)(1)	Preconstruction review procedures that a State utilizes for other	Y	
	purposes, etc.		
63.5(f)(2)	Deadline for request of approval of construction or reconstruction	Y	
	(Except that 60 days is changed to 90 days and cross-reference to		
	53.9(B)(2) does not apply.)		
63.6	Compliance with standards and maintenance requirements	Y	
63.6(a)	Applicability	Y	
63.6(b)	Compliance dates for new and reconstructed sources	Y	
63.6(b)(1)	Compliance at standard's effective date	Y	
63.6(b)(2)	Compliance upon startup	Y	
63.6(b)(3)	Compliance within 3 years of effective date	Y	
63.6(b)(4)	Compliance within 10 years of effective date	Y	
63.6(b)(5)	Notification to administrator of later compliance date (Except that	Y	
	subpart UUU specifies different compliance dates for sources)		
63.6(c)	Compliance dates for existing sources	Y	
63.6(c)(1)	Compliance with standards by the compliance date established by	Y	
	the Administrator		
63.6(c)(2)	Compliance with standards by date established by Section 112(f) of	Y	
	the act		
63.6(e)	Operation and maintenance requirements	Y	
63.6(e)(1)	Operation in a manner consistent with safety and good	Y	
	air pollution control practices		
63.6(e)(2)	Reserved	Y	
63.6(e)(3)	Startup, shutdown, and malfunction plan	Y	
63.6(e)(3)(i)	Development and implementation of a written startup, shutdown,	Y	
	and malfunction plan		
63.6(e)(3)(ii)	Periods of startup, shutdown, and malfunction	Y	
63.6(e)(3)(iii)	Operation consistent with procedures	Y	
63.6(e)(3)(iv)	Operation not consistent with procedures (Except that reports of	Y	
	actions not consistent with plan are not required within 2 and 7		
	days of action but rather must be included in next periodic report)		
63.6(e)(3)(v)	Maintenance of the plan at the affected source (The owner or	Y	
	operator is only required to keep the latest version of the plan)		
63.6(e)(3)(vi)	Alternative plans	Y	
63.6(e)(3)(vii)	Administrator may require changes to plan	Y	

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

	500 – U-251 PLATFORMING UNIT; \$508 – U-244 REF	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.6(e)(3)	The owner or operator may periodically revise the startup,	Y	
(viii)	shutdown, and malfunction plan		
63.6(f)	Compliance with non-opacity emission standards	Y	
63.6(f)(1)	Applicability (standards apply at all times except startup,	Y	
	shutdown, and malfunction)		
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(2)(i)	Based on performance tests	Y	
63.6(f)(2)(ii)	Evaluation of an owner or operator's conformance with operation	Y	
	and maintenance requirements		
63.6(f)(2)(iii)	Conditions under which performance testing for state requirements	Y	
	shows compliance		
63.6(f)(2)(iii)	Performance test conducted within a reasonable amount of time	Y	
(A)			
63.6(f)(2)(iii)	Performance test conducted under representative operating	Y	
(B)	conditions		
63.6(f)(2)(iii)	EPA-approved test methods and procedures	Y	
(c)			
63.6(f)(2)(iv)	Determination of compliance	Y	
63.6(f)(2)(v)	Conformance with operation and maintenance requirements	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative non-opacity emission standard	Y	
63.6(i)	Extension of compliance with emission standards (Parts 1-14 and	Y	
	part 16. Part 15 is reserved.		
63.7	Performance testing requirements	Y	
63.7(a)	Applicability and performance test dates	Y	
63.7(a)(1)	Performance test requirements Applicability (Except that subpart	Y	
	UUU specifies the applicable test and demonstration procedures.)		
63.7(a)(3)	The Administrator may require performance tests at any time when	Y	
	action is authorized by section 114 of the Act (Except that subpart		
	UUU specifies notification at least 30 days prior to the scheduled		
	test date rather than 60 days.)		
63.7(b)	Notification of performance test	Y	
63.7(c)	Quality assurance program	Y	
63.7(d)	Performance testing facilities	Y	
63.7(e)	Conduct of performance tests	Y	

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

5.	500 – U-251 PLATFORMING UNIT; 5508 – U-244 REF	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.7(f)	Use of an alternative test method	Y	
63.7(g)	Data analysis, recordkeeping, and reporting (Except performance	Y	
	test reports must be submitted with notification of compliance		
	status due 150 days after the compliance date.)		
63.7(h)	Waiver of performance tests	Y	
63.8	Monitoring requirements	Y	
63.8(a)	Applicability	Y	
63.8(a)(1)	Applicability	Y	
63.8(a)(2)	Performance Specifications	Y	
63.8(a)(4)	Additional monitoring requirements for control devices	Y	
63.8(b)	Conduct of monitoring	Y	
63.8(b)(1)	Conduct of monitoring	Y	
63.8(b)(2)	Combination of the emissions from two or more affected sources	Y	
	(Subpart UUU specifies the required monitoring locations.)		
63.8(b)(3)	More than one CMS (Subpart UUU specifies the required	Y	
	monitoring locations.)		
63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
63.8(c)(1)	Good air pollution control practices	Y	
63.8(c)(1)(i)	Maintenance and operation of each CMS	Y	
63.8(c)(1)(ii)	Parts for routine repairs readily available (Except that subpart UUU	Y	
	specifies that reports are not required if actions are consistent with		
	the SSM plan, unless requested by the permitting authority. If		
	actions are not consistent, actions must be described in next		
	compliance report.)		
63.8(c)(1)(iii)	Compliance with Operation and Maintenance Requirements	Y	
	(Except that subpart UUU specifies that reports are not required if		
	actions are consistent with the SSM plan, unless requested by the		
	permitting authority. If actions are not consistent, actions must be		
	described in next compliance report.)		
63.8(c)(2)	Monitoring system installation	Y	
63.8(c)(3)	Monitoring system installation	Y	
63.8(c)(4)(ii)	One cycle of operation for each 15-minute period (Y	
63.8(c)(6)	CMS Requirements	Y	
63.8(c)(7)	Out-of-control CMS	Y	
63.8(c)(8)	Submittal of all information concerning out-of-control periods	Y	

Table IV – Nb Source-specific Applicable Requirements – Process Vessels S306 – U-231 Platforming Unit; S308 – U-244 Reforming Unit

	500 - C-2311 LATFORWING UNIT, 5300 - C-244 REF	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.8(d)	Quality Control Program	Y	
63.8(e)	Performance evaluation of continuous monitoring systems (Y	
63.8(f)	Use of an alternative monitoring method	Y	
63.8(g)	Reduction of monitoring data	Y	
63.8(g)(1)	Reduction of monitoring data	Y	
63.8(g)(2)	1-hour averages	Y	
63.8(g)(3)	Records in reduced or non-reduced form	Y	
63.8(g)(4)	Units of the relevant standard	Y	
63.9	Notification requirements	Y	
63.9(a)	Applicability and general information	Y	
63.9(b)	Initial notifications (Sections 1, 2, 4, and 5. Section 3 is reserved.)	Y	
	Notification of construction or reconstruction is to be submitted as		
	soon as practicable before startup.)		
63.9(c)	Request for extension of compliance	Y	
63.9(d)	Notification that source is subject to special compliance	Y	
	requirements		
63.9(e)	Notification of performance test (Except that notification is	Y	
	required at least 30 days before test.)		
63.9(g)	Additional notification requirements for sources with continuous	Y	
	monitoring systems (Applicable since facility has chosen to comply		
	with NSPS SO2 standard)		
63.9(h)	Notification of compliance status (Except that subpart UUU	Y	
	specifies the notification is due no later than 150 days after		
	compliance date.)		
63.9(i)	Adjustment to time periods or postmark deadlines	Y	
63.9(j)	Change in information already provided	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.10(a)	Applicability and general information	Y	
63.10(b)	General recordkeeping requirements	Y	
63.10(c)	Additional recordkeeping requirements for sources with continuous	Y	
	monitoring systems		
63.10(c)(1)	All required CMS measurements	Y	
63.10(c)(2)	[reserved]	Y	
63.10(c)(3)	[reserved]	Y	
63.10(c)(4)	[reserved]	Y	

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

	306 – U-231 Platforming Unit; S308 – U-244 Ref	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.10(c)(5)	Date and time when CMS was inoperative	Y	
63.10(c)(6)	Date and time when CMS was out-of-control	Y	
63.10(c)(9)	[reserved]	Y	
63.10(c)(10)	The nature and cause of any malfunction	Y	
63.10(c)(11)	Corrective action or preventive measures	Y	
63.10(c)(12)	Nature of repairs or adjustments	Y	
63.10(c)(13)	Process operating time	Y	
63.10(c)(14)	Procedures in quality control program	Y	
63.10(c)(15)	Use of startup, shutdown, and malfunction plan	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(1)	Reports to the Administrator	Y	
63.10(d)(4)	Progress reports	Y	
63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports	Y	
63.10(d)(5)	Immediate startup, shutdown, and malfunction reports (reports not	Y	
(ii)	required if actions consistent with the SSM plan, unless requested		
	by permitting authority)		
63.10(e)	Additional reporting requirements for sources with continuous	Y	
	monitoring systems		
63.10(e)(1)	General (Applicable since facility has chosen to comply with NSPS	Y	
	SO2 standard)		
63.10(e)(2)	Reporting results of continuous monitoring system performance	Y	
	evaluations (Applicable since facility has chosen to comply with		
	NSPS SO2 standard)		
63.10(f)	Waiver of recordkeeping or reporting requirements	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	
Subpart UUU	Petroleum Refineries: Catalytic Cracking Units, Catalytic		
	Reforming Units, and Sulfur Recovery Units (4/11/02)		
63.1561	Am I subject to this subpart?	Y	
63.1562(a)	New, reconstructed, or existing affected sources	Y	
63.1562(b)(2)	Catalytic reforming units	Y	
63.1562(f)(5)			
63.1563	When do I have to comply with this subpart?	Y	
63.1563(b)	Deadline for existing sources-4/11/05	Y	
63.1563(e)	Notification requirements	Y	

Table IV – Nb Source-specific Applicable Requirements – Process Vessels S306 – U-231 Platforming Unit; S308 – U-244 Reforming Unit

		FORMING UNI Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1566	What are my requirements for organic HAP emissions from	Y	
	catalytic reforming units?		
63.1566(a)	Emission Limitations and Work Practice Standards	Y	
63.1566(a)(1)	Meet each emission limitation in Table 15 that applies	Y	
63.1566(a)(1)(i	Vent TOC emissions to flare or comply with 63.1566(a)(1)(ii)	Y	
)			
63.1566(a)(1)(i	TOC or non-methane TOC percent reduction standard or	Y	
i)	concentration limit, whichever is less stringent or comply with		
	63.1566(a)(1)(i)		
63.1566(a)(2)	Comply with option 1 in Table 16: flare pilot light must be on and	Y	150 days
	flare must be operating at all times that emissions from S306 or		after 1st
	S308 regeneration vented to flare		regeneration
			after 4/11/05
63.1566(a)(3)	Applicability of emission limitations-emissions from catalytic	Y	150 days
	reforming unit process vents associated with initial catalyst		after 1st
	depressuring and catalyst purging operations that occur prior to the		regeneration
	coke burn-off cycle. The emission limitations in Tables 15 and 16		after 4/11/05
	of this subpart do not apply to the coke burn-off, catalyst		
	rejuvenation, reduction or activation vents, or to the control		
	systems used for these vents.		
63.1566(a)(4)	Emission limitations do not apply when the vessel is below 5 psig	Y	150 days
			after 1st
			regeneration
			after 4/11/05
63.1566(a)(5)	Prepare an Operation, Maintenance and Monitoring Plan and	Y	150 days
	operate in compliance with the plan		after 1st
			regeneration
			after 4/11/05
63.1566(b)	How do I demonstrate initial compliance with the emission	Y	
	limitations and work practice standard?		
63.1566(b)(1)	Install, operate, and maintain a continuous monitoring system(s)	Y	
63.1566(b)	Conduct each performance test required by Table 18: Option 1 or	Y	1st Regen
(2)	Option 2		after
			4/11/2005
63.1566(b)(3)	Establish each site-specific operating limit in Table 16 that applies	Y	1st Regen
			after 4/11/05

Table IV – Nb Source-specific Applicable Requirements – Process Vessels S306 – U-231 Platforming Unit; S308 – U-244 Reforming Unit

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1566(b)(4)	Determine initial compliance with emission limitations	Y	1 st Regen after 4/11/2005
63.1566(b)(5) (i)	No requirement to perform TOC performance test if emissions are vented to a flare as provided in Option 1 of Table 15	Y	
63.1566(b)(6)	Demonstrate initial compliance with each emission limitation that applies according to Table 19	Y	1 st Regen after 4/11/05
63.1566(b)(7)	Demonstrate Initial Compliance with Work Practice Standard by submitting Operation, Maintenance, and Monitoring Plan	Y	150 days after 1 st Regen after 4/11/05
63.1566(b)(8)	Submit the Notification of Compliance Status per §63.1574	Y	150 days after 1 st Regen after 4/11/05
63.1566(c)	How do I demonstrate continuous compliance with the emission limitations and work practice standards?	Y	150 days after 1 st Regen after 4/11/05
63.1566(c) (1)	Demonstrate continuous compliance with emission limitations in Table 15 and Table 16	Y	150 days after 1 st Regen after 4/11/05
63.1566(c) (2)	Demonstrate continuous compliance with work practice standards by complying with the procedures in the operation, maintenance, and monitoring plan	Y	150 days after 1 st Regen after 4/11/05
63.1567	Requirements for Inorganic HAP Emissions from Catalytic Reforming Units	Y	
63.1567(a)	Emission Limitations and Work Practice Standards	Y	
63.1567(a)(1)	Emission Limitations for Hydrogen Chloride (HCl) during coke burn-off and catalyst rejuvenation using internal scrubbing system: Reduce uncontrolled HCl emissions by 92% or to a concentration of 30 ppmvd corrected to 3%O2 (Table 22, Item 1)	Y	

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

	500 - C-2311 EATFORWING UNI1, 5300 - C-244 REF	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1567(a)(2)	The HCl concentration in the catalyst regenerator exhaust gas must	Y	150 days
	not exceed the limit established during the performance test. (Table		after 1st
	2, Item 1.b)		regeneration
			after 4/11/05
63.1567(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate	Y	150 days
	in compliance with the plan		after 1st
			regeneration
			after 4/11/05
63.1567(b)	How do I demonstrate initial compliance with the emission	Y	
	limitations and work practice standard?		
63.1567(b)(1)	Install, operate, and maintain a continuous monitoring system(s)	¥	
	according to the requirements in §63.1572 and Table 24 of this		
	subpart.		
63.1567(b)(2)	Performance Test: measure HCl concentration at the outlet (for the	Y	1 st
	concentration standard) or at the inlet and outlet (for the percent		regeneration
	reduction standard) of the scrubber (Table 25, Item 4.ii)		after 4/11/05
	Conduct each performance test for a catalytic reforming unit		
	according to the requirements in §63.1571 and the conditions		
	specified in Table 25 of this subpart.		
63.1567(b)(3)	Establish each site-specific operating limit in Table 23 of this	Y	
	subpart that applies to you according to the procedures in Table 25		
	of this subpart.		
63.1567(b)(4)	Demonstrate Initial Compliance with Emission Limitations: reduce	Y	1 st
	HCl concentration by 92% or to 30 ppmv (Table 26, Item 1)		regeneration
	Use the equations in paragraphs (b)(4)(i) through (iv) of this		after 4/11/05
	section to determine initial compliance with the emission		
	limitations.		
63.1567(b)(5)	Demonstrate Initial Compliance with Work Practice Standard by	Y	<u>150 days</u>
	submitting Operation, Maintenance, and Monitoring Plan		after 1st
	Demonstrate initial compliance with each emission limitation that		regeneration
	applies to you according to Table 26 of this subpart.		
63.1567(b)(6)	Submit Notice of Initial Compliance Status	Y	150 days
	Demonstrate initial compliance with the work practice standard in		after 1st
	paragraph (a)(3) of this section by submitting the operation,		regeneration
	maintenance, and monitoring plan to your permitting authority as		
	part of your Notification of Compliance Status.		

Table IV – Nb Source-specific Applicable Requirements – Process Vessels S306 – U-231 Platforming Unit; S308 – U-244 Reforming Unit

5.	306 – U-231 PLATFORMING UNIT; 8308 – U-244 REF	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1567(b)(7)	Submit the Notification of Compliance Status containing the results	(2/11)	Dutt
03.1307(0)(7)	of the initial compliance demonstration according to the		
	requirements in §63.1574.		
63.1567 <u>(c)</u>	Continuous Compliance Demonstration	Y	
03.1307 <u>(c)</u>	How do I demonstrate continuous compliance with the emission	1	
	limitations and work practice standard?		
63.1567(c)(1)	Demonstrate Continuous Compliance with Emission Limitation:	Y	1 st
03.1307(0)(1)	maintain 92% control efficiency or 30 ppmv HCl concentration	1	regeneration
	Table 28, Item 1.c.		after 4/11/05
63.1567(c)(2)	Demonstrate Continuous Compliance with Work Practice Standard	Y	150 days
03.1307(0)(2)	through maintaining records to document conformance with the	1	after 1 st
	Operation, Maintenance, and Monitoring Plan		regeneration
	operation, transcendance, and triointoring Filan		after
			4/11/2005
63.1570	What are my general requirements for complying with this subpart?	Y	1/11/2003
63.1570(a)	Operate in compliance with non-opacity standards at all times	Y	
03.1370(u)	except during periods of startup, shutdown, and malfunction, as	•	
	specified in 63.6(f)(1)		
63.1570(c)	Operate and maintain source including pollution control and	Y	
	monitoring equipment in accordance with 63.6(e)(1). Between		
	4/11/05 and the date continuous monitoring systems are installed		
	and validated and operating limits have been set, maintain a log		
	detailing operation and maintenance of process and equipment.		
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan	Y	
,	(SSMP) in accordance with 63.6(e)(3)		
63.1570(e)	Operate in accordance with SSMP during periods of startup,	Y	
	shutdown, and malfunction		
63.1570(f)	Report deviations from compliance with this subpart according to	Y	
. ,	the requirements of 63.1575		
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are	Y	
(2)	not violations if operating in accordance with SSMP		
63.1571	How and when do I conduct a performance test or other initial	Y	
	compliance demonstration?		
63.1571(a)(1)	For emission limitation or work practice standard where	Y	
.,.,	compliance not demonstrated using performance test, opacity		
	observation, or visible emission observation, conduct initial		

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

55	006 – U-231 PLATFORMING UNIT; 8308 – U-244 REF	Federally	Future
Amplicable	Dogulation Title on	Enforceable	Effective
Applicable Requirement	Regulation Title or Description of Requirement	Emorceable (Y/N)	Date
Requirement		(1/N)	Date
(2.15714)	compliance demonstration within 30 days after compliance date	37	
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of 63.7(e)(1)	Y	
63.1571(b)(2)	Conduct three separate test runs of at least an hour for each	Y	
03.13 / 1(0)(2)	performance test	1	
63.1571(b)(3)	Conduct each performance evaluation in accordance with the	Y	
03.1371(0)(3)	requirements of 63.8(e)	1	
63.1571(b)(4)	Performance tests not conducted during periods of startup,	Y	
03.1371(0)(4)	shutdown, or malfunction	1	
63.1571(b)(5)	Arithmetic average of emission rates	Y	
	What procedures must I use for an engineering assessment?	1	
63.1571(c) 63.1571(d)	Can I adjust the process or control device measured values when		
03.13/1(u)			
(2.1571(1)(4)	establishing an operating limit?	37	
63.1571(d)(4)	Adjust process or control device measured values when	Y	
	establishing operating limit (optional)		
63.1571(e)	Changes to Operating limits	Y Y	
63.1572	What are my monitoring installation, operation, and maintenance	1	
62 1572()(1)	requirements?	37	
63.1572(c)(1)	Use a colormetric tube sampling system with a printed numerical scale in ppmv, a standard measurement range of 1 to 10 ppmv (or 1	Y	
	to 30 ppmv if applicable), and a standard deviation for measured		
	values of no more than +/- 15 percent. System must include a gas		
	detection pump and hot air probe if needed for the measurement range. Table 41, Item 6.		
63.1572(c)(2)	One cycle every 15 minutes	Y	
63.1572(c)(3)	Valid hourly average data from at least 75% of hours operated	Y	
63.1572(c)(4)	Hourly and daily averages	Y	
63.1572(c)(5)	Records of results of inspections, calibrations, and validation	Y	
	checks		
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times source is operating except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Not use data recorded during monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1573	What are my monitoring alternatives?	Y	
63.1573(c)	Can I use another type of monitoring system? (Note: another type	Y	
	of monitoring system may not be used without prior approval)		

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

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1573(d)	Can I monitor other process or control device operating	Y	
	parameters? (Note: Facility may not other process or control		
	device operating parameters without prior approval)		
63.1573(e)	How do I request to monitor alternative parameters?	Y	
63.1574	What notifications must I submit and when?	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3) (ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with NOCS. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1575	What reports must I submit and when?	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report including information in 1575(d) or (e) (Table 43, Item 1)	Y	
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and work practice standards where CEMS or COMS is not used to comply with emission limitation or work practice standard	Y	
63.1575(f)	Additional information for compliance reports	Y	
63.1575(f)(1)	Requirement to submit performance test reports	Y	
63.1575(f)(2)	Submittal of requested change in the applicability of an emission standard	Y	
63.1575(g)	Submittal of reports required by other regulations in place of or as part of compliance report if they contain the required information	Y	
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	What records must I keep, in what form, and for how long?	Y	
63.1576(a)	Required Records – General	Y	
63.1576(d)	Records required by Tables 20, 21, 27, and 28 of Subpart UUU	Y	
63.1576(e)	Maintain copy of Operation, Maintenance, and Monitoring Plan	Y	
			•

Table IV – Nb Source-specific Applicable Requirements – Process Vessels S306 – U-231 Platforming Unit; S308 – U-244 Reforming Unit

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for two years; may be maintained offsite for remaining 3 years	Y	
BAAQMD	Throughput limit for S306 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part A			
BAAQMD	APPLIES TO S308 ONLY		
Condition			
22966			
Part 1	Daily throughput limit [Cumulative Increase]	Y	
Part 2	Daily records of throughput [Cumulative Increase]	Y	
Part 3	Pressure relief devices routed to fuel gas system, furnace or flare with 98% recovery efficiency [8-28-302, BACT]	Y	

Table IV – Nc Source-specific Applicable Requirements – Process Vessels S437 – Hydrogen Plant; S464, Hydrogen Plant

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)		
8-2-301	Miscellaneous Operations: emissions shall not exceed 15 lb/day and 300 ppm carbon on a dry basis	Y	
BAAQMD Regulation 8, Rule 9	Organic Compounds – Vacuum Producing Systems (7/20/83)		
8-9-301	Vacuum Producing System POC emissions must be controlled by combustion or venting to fuel gas systems	Y	
8-9-601	Determination of Emissions	Y	

Table IV – Nc Source-specific Applicable Requirements – Process Vessels S437 – Hydrogen Plant; S464, Hydrogen Plant

	S437 – HYDROGEN PLANT; S464, HYDROGEN	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic Compounds – Process Vessel Depressurization (10/3/84)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each process unit turnaround, and retained for at least 2 years and made available to the District on demand during inspections:	Y	
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to atmosphere begin	Y	
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	

Table IV – Nc Source-specific Applicable Requirements – Process Vessels S437 – Hydrogen Plant; S464, Hydrogen Plant

	5457 – IIIDROGENI LANI, 5404, IIIDROGEN	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	APPLIES TO S464 ONLY		
Condition			
6671			
Part 1	Abatement requirement for E-421 condenser vent at A50 scrubber	Y	
	[Basis: Regulation 8-2-301]		
Part 2	Efficiency requirement for A50 scrubber raw material throughput	Y	
	[Basis: Regulation 8-2-301]		
Part 3	Requirement to treat A50 blowdown at wastewater treatment plant	Y	
	[Basis: Cumulative Increase]		
Part 4	Daily A50 monitoring requirement [Basis: Cumulative Increase]	Y	
Part 5	Monitoring record requirement [Basis: Cumulative Increase]	Y	
Part 6	Annual source test requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD	Throughput limit for S437 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			
BAAQMD	Throughput limit for S464 [Basis: 2-1-234.3]	N	
Condition			
20989, Part			
A			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds – Vacuum Producing Systems (7/20/83)		
Regulation 8,			
Rule 9			
8-9-301	Vacuum Producing System POC emissions must be controlled by	Y	
	combustion or venting to fuel gas systems		
8-9-601	Determination of Emissions	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds – Process Vessel Depressurization	(1/11)	Date
Regulation 8,	(1/21/2004)		
Rule 10	(1/21/2004)		
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to release to atmosphere	N	
8-10-302.2	Organic compound concentration of a refinery process vessel may exceed 10,000 ppm prior to release to atmosphere provided total number of such vessels during 5-year period does not exceed 10%	N	
8-10-401	Turnaround Records. Annual report due February 1 of each year with initial report of process vessels due 4/1/2004.	N	
8-10-501	Monitoring prior to and during process vessel opening	Y	
8-10-502	Concentration measurement using EPA Method 21	Y	
8-10-503	Recordkeeping	N	
8-10-601	Monitoring Procedures	N	
SIP	Organic Compounds – Process Vessel Depressurization (10/3/84)		
Regulation 8,			
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented through a knock-out pot and then abated in one of the following	Y	
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg (4.6 psig)	Y	
8-10-301.1 8-10-301.2	recovery to the fuel gas system combustion at a firebox or incinerator	Y	
8-10-301.2	combustion at a flare	Y	
	containment such that emissions to atmosphere do not occur	Y	
8-10-301.4 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	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
383			
Part 1a	Sulfur content limit in crude [Basis: Cumulative Increase]	Y	
Part 1b	Crude analysis requirement [Basis: Cumulative Increase]	Y	
Part 2	Daily crude feed limits [Basis: Cumulative Increase]	Y	
Part 3a	Daily recordkeeping requirements [Basis: Cumulative Increase]	Y	
Part 3b	Records of sulfur content of crude feed [Basis: Cumulative	Y	
	Increase]		
Part 4	Requirement for water seals [Basis: toxics, cumulative increase]	Y	
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	
	Cumulative Increase, Toxic Management Policy]		

251

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds - Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	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 Compounds – Process Vessel Depressurization		
Regulation 8,	(10/03/84)		
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 (4.6 psig)		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	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	
8-10-401.2		1	l
8-10-401.2	atmosphere begin		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition 6725			
Part 1	Flange, valve design requirements [Basis: Cumulative Increase]	Y	
Part 2	Vent collection requirement for relief valves [Basis: Cumulative Increase]	Y	
Part 3	Pump, compressor design requirements [Basis: Cumulative Increase]	Y	
Part 4	Daily throughput limit [Cumulative Increase]	Y	
Part 5	Pressure relief valves vented to fuel gas recovery system, furnace or flare [8-28-302, BACT]	Y	
Part 6	Daily records [Cumulative Increase]	Y	

Table IV – Q.1 Source-specific Applicable Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (7/9/08)		
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 exceedances reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	

$\label{eq:control_equation} Table~IV-Q.1$ 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
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	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 exceedances reporting requirements	Y - note 1	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y1	
1-523.3	Reports of Violations	Y1	
BAAQMD	Regulation 2, Rule 1 – Permits, General Requirements (<u>11/19/08</u>)		
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	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Weight Limitation; Heat Transfer Operation	N	

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

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation; Heat Transfer Operation	Y	
BAAQMD	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary	N	
Regulation 9,	Gas Turbines (12/6/06)		
Rule 9			
9-9-113	Exemption – Inspection/Maintenance	N	
9-9-114	Exemption – Startup/Shutdown	N	
9-9-115	Limited Exemption, Minor Inspection and Maintenance Work	N	
9-9-120	Interchangeable Emission Reduction Credits	N	
9-9-301	Emission Limits – General	N	
9-9-301.1.3	Emission Limits	N	
9-9-301.2	Emission limits effective on January 1, 2010	N	1/1/10
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	N	
9-9-601	Determination of Emissions	N	
9-9-602	Determination of Stack Gas Oxygen	Y	
9-9-603	Continuous Emission Monitoring	N	
9-9-604	Determination of HHV and LHV	N	
9-9-605	Compliance With Output Based NOx Emissions Standards	N	1/1/10
SIP	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary		
Regulation 9,	Gas Turbines (12/15/97)		
Rule 9			
9-9-113	Exemption – Inspection/Maintenance	Y	
9-9-114	Exemption – Startup/Shutdown	Y	
9-9-301	Emission Limits – General	Y	
9-9-301.3	Emission Limits	Y	
9-9-401	Efficiency Certification	Y	
9-9-501	Continuous Emission Monitoring (CEM)	Y	

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

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-600	Manual of Procedures	Y	Dute
9-9-601	Determination of Emissions	Y	
9-9-603	continuous Emission Monitoring	Y	
9-9-604	Determination of HHV and LHV	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	
Manual of	(1/20/82)		
Procedures,			
Volume V			
40 CFR 60	New Source Performance Standards- General Provisions		
Subpart A	(03/16/1994)		
60.13	Monitoring Requirements	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (1/18/08)		
Subpart J			
60.100	Applicability	Y	
60.104	Standards for Sulfur Oxides: Compliance Schedule	Y	
60.104(a)(1)	fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	Y	
	except for gas burned as a result of process upset or gas burned at		
	flares from relief valve leaks or other emergency malfunctions		
60.105	Monitoring of Emissions and Operations	Y	
60.105(a)(4)	monitoring requirement for H2S (dry basis) in fuel gas prior to combustion (except for natural gas)	Y	
60.105(a)(4)	Exemption from SO2 or H2S monitoring for fuel inherently low in	Y	
(iv)	sulfur content (UK Sweet gas and natural gas)		
60.105(e)(3) (ii)	Excess H2S emission definitions for 60.7I	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
60.107(e)	Recordkeeping – Maintain records of 60.105(a)(4)(iv) exemption chosen.	Y	

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

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart GG	Standards of Performance for Stationary Gas Turbines (2/24/06)		
60.330	Applicability	Y	
60.332(a)(2)	Alternate Standard, NOx (except when ice fog deemed a traffic hazard per 60.332(f)	Y	
60.332(d)	Compliance with 60.332(a)(2) required	Y	
60.332(f)	Exemption from 60.332(a)(2) when steam injection would result in ice fog which is deemed a traffic hazard	Y	
60.332(k)	Exemption: Natural gas turbines >10 MMbtu/hr when firing emergency fuel	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit (in lieu of SO2 concentration emission limit – 150 ppmv @ 15% O2 - in 60.333(a))	Y	
60.334	Monitoring Requirements	Y	
60.334(h)(1)	Fuel Sulfur Content (for refinery fuel gas)	Y	
60.334(h)(3) (i)	Gas Quality Characteristics in current, valid purchase contract (for natural gas)	Y	
60.334(i)	Fuel sulfur content monitoring frequency	Y	
6.0334(i)(3)	Custom schedules for determination of fuel sulfur content	Y	
6.0334(i)(3) (i)	Custom schedules for determination of fuel sulfur content	Y	
60.334(j)	Excess emission reporting per 60.7(c)	Y	
60.334(j)(2)	Excess emission definition for fuel sulfur content	Y	
6.0334(j)(2) (i)	Excess emission definition for fuel sulfur content	Y	
60.334(j)(2) (iii)	Monitor downtime period definition	Y	
60.334(j)(5)	Excess emission reports due the 30th day following end of each calendar quarter	Y	
60.335	Test Methods and Procedures	Y	

$\label{eq:control_problem} Table~IV-Q.1$ 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
BAAQMD	Description of Requirement	(2/11)	Dute
Condition			
12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative	Y	
	Increase]		
Part 2	Restriction on duct burner operation to times when associated	Y	
	turbine is also operated [Basis: BACT, Cumulative Increase]		
Part 3	Abatement requirement for S352 and S355 at A13 [Basis: BACT,	Y	
	Cumulative Increase]		
Part 4	Abatement requirement for S353 and S356 at A14 [Basis: BACT,	Y	
	Cumulative Increase]		
Part 5	Abatement requirement for S354 and S357 at A15 [Basis: BACT,	Y	
	Cumulative Increase]		
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative	Y	
	Increase]		
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative	Y	
	Increase]		
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT,	Y	
	Cumulative Increase] (Part 9a will be deleted after offsets are		
	provided for CFEP project)		
Part 9b	NOx hourly, daily and annual emission limits after offsets are	Y	after offsets are
	provided by the turbines/duct burners [Basis: BACT, Cumulative		provided
	Increase]		
Part 9c	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 9d	Requirement for fuel meter [Basis: Cumulative Increase, 2-6-503]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative	Y	
	Increase]		
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis:	Y	
	Cumulative Increase]		

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

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur measurements [Basis: Cumulative Increase]	Y	
Part 14	Annual POC source test [Basis: Regulation 2-6-409.2]	Y	
Part 15	Recordkeeping requirement [Basis: BACT, Cumulative Increase]	Y	
Part 16	Alternative monitoring plan for U240 Sweet Unicracker Gas [40 CFR 60.13(i), EPA letter of July 2, 2007	Y	
BAAQMD Condition 18629	PSD Approval to Construct / Modify issued 3/3/86, modified 5/26/89. The basis for each section is PSD.		
Part III	Facilities Operation	Y	
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MMbtu/hr firing rate limit for each of 3 turbine/duct burner sets	Y	
Part IX.D.3	1048 MMbtu/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	

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

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part IX.G.3.a.(1)	total sulfur concentration in each fuel gas sample	Y	
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 malfunctions	Y	
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	
BAAQMD Condition 22970			
Part B	Offset Report [2-1-403, 2-2-410]	Y	

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.

$\label{eq:control_problem} Table~IV-Q.2\\ Source-specific Applicable Requirements$

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

	5557 - SOFFLEMENTAL DUCT BURNERS FO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/09/08)		
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	Particulate Matter and Visible Emissions (12/7/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Weight Limitation, Heat Transfer Operations	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-1-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation	Y	

Table IV – Q.2

Source-specific Applicable Requirements S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Annliaghla	Degulation Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	(Y/N)	Date
BAAQMD	Regulation 2, Rule 1 - Permits, General Requirements (11/19/08)	(1/14)	Date
Regulation 2,	regulation 2, state 2 2 community content and an extension (22/27/00)		
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	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon		
Regulation 9,	Monoxide from Boilers, Steam Generators, and Process Heaters		
Rule 10	in Petroleum Refineries (7/17/02)		
9-10-110.3	Exemption: Waste heat recovery boilers associated with gas turbines	Y	
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	
Manual of	(1/20/82)		
Procedures,			
Volume V			
40 CFR 60,	New Source Performance Standards - General Provisions		
Subpart A	(03/16/1994)		
60.13	Monitoring Requirements	Y	
40 CFR 60,	Standards of Performance for Industrial-Commercial-		
Subpart Db	Institutional Steam Generating Units (6/13/07)		
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.		

$\label{eq:control_problem} Table~IV-Q.2\\ Source-specific Applicable Requirements$

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	Y	
60.48b	Emission Monitoring for NOx	Y	
60.48b(b)(1)	Install, calibrate, and operate CEM and record output for measuring NOx discharges	Y	
60.48b(c)	Record data during all periods of operation of CEM except during breakdown and repairs	Y	
60.48b(d)	Continuous NOx monitors measure 1-hr average emission rates	Y	
60.48b(e)	Complies with 60.13	Y	
60.48b(e)(2)	Span values for NOx	Y	
60.48b(e)(3)	Span values for NOx rounded to nearest 500 ppm	Y	
60.48b(f)	Standby monitoring system and test methods	Y	
60.48b(g)	NOx CEM requirements for units with 250 MMbtu/hr heat input capacity or less	Y	
60.48b(g)(1)	NOx CEM requirements for units with 250 MMbtu/hr heat input capacity or less	Y	
60.48b(h)	NOx CEM not required if subject to \$60.44b(a)(4) for natural gas firing-only conditions	Y	
60.49b	Reporting and Recordkeeping	Y	
60.49b(d)	Record amounts of each fuel combusted/day and calculate annual	Y	
	capacity factors at a 12-month rolling average		
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	Y	
	content of 0.3 weight percent or less – for natural gas firing-only conditions		
60.49b(h)(2)(ii)	Heat input capacity of affected units is 250 MMbtu/hr or less and	Y	

$\label{eq:control_problem} Table~IV-Q.2\\ Source-specific Applicable Requirements$

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	NOx CEM is required under 60.48b(g)(1)		
60.49b(h)(4)	Excess emission definition	Y	
60.49b(i)	Reports of 60.49b(g) data	Y	
60.49b(o)	Records retained for 2 years	Y	
60.49b(v)	Electronic quarterly reports	Y	
60.49b(w)	Semi-annual reports	Y	
40 CFR 60,	Standards of Performance for Petroleum Refineries (9/21/06)		
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(a)(4)	Exemption from SO2 or H2S monitoring for fuel inherently low in	Y	
(iv)	sulfur content (UK Sweet gas and natural gas)		
60.105(e)(3)(ii)	Excess H2S emission definitions for 60.7(c)	Y	
60.106(a)	Test methods and procedures	Y	
60.106(e)(1)	Method 11 shall be used to verify compliance with 60.104(a)(1)	Y	
60.107(e)	Recordkeeping – Maintain records of 60.105(a)(4)(iv) exemption	Y	
	chosen.		
BAAQMD			
Condition			
12122			
Part 1	Restriction to natural gas and refinery fuel gas [Basis: Cumulative	Y	
	Increase]		
Part 2	Restriction on duct burner operation to times when associated	Y	
	turbine is also operated [Basis: BACT, Cumulative Increase]		
Part 3	Abatement requirement for S352 and S355 at A13 [Basis: BACT,	Y	
	Cumulative Increase]		

Table IV – Q.2 Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

	5557 — SULLEMENTAL DUCT DURNERS FOR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 4	Abatement requirement for S353 and S356 at A14 [Basis: BACT,	Y	
	Cumulative Increase]		
Part 5	Abatement requirement for S354 and S357 at A15 [Basis: BACT,	Y	
	Cumulative Increase]		
Part 6	Duct burner annual firing limit [Basis: Cumulative Increase]	Y	
Part 7	CO exhaust concentration limit [Basis: BACT, Cumulative	Y	
	Increase]		
Part 8	POC exhaust concentration limit [Basis: BACT, Cumulative	Y	
	Increase]		
Part 9a	NOx hourly, daily and annual emission limits [Basis: BACT,	Y	
	Cumulative Increase] (Part 9a will be deleted after offsets are		
	provided for CFEP project)		
Part 9b	NOx hourly, daily and annual emission limits after offsets are	Y	after offsets are
	provided by the turbines/duct burners [Basis: BACT, Cumulative		provided
	Increase]		
Part 9c	NOx CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 9d	Requirement for fuel meter [Basis: Cumulative Increase, 2-6-503]	Y	
Part 10a	CO annual emission limits [Basis: BACT, Cumulative Increase]	Y	
Part 10b	CO CEM requirement [Basis: BACT, Cumulative Increase]	Y	
Part 11	POC hourly and annual emission limits [Basis: BACT, Cumulative	Y	
	Increase]		
Part 12	Refinery fuel gas testing requirement for total reduced sulfur [Basis:	Y	
	Cumulative Increase]		
Part 13	Reporting requirement for refinery fuel gas total reduced sulfur	Y	
	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	
Part 16	Alternative monitoring plan for U240 Sweet Unicracker Gas [40	Y	
	CFR 60.13(i), EPA letter of July 2, 2007		
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	

$\label{eq:control_problem} Table~IV-Q.2\\ Source-specific Applicable Requirements$

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part IV	Malfunction	Y	
Part V	Right to Entry	Y	
Part V.A	entry to premises	Y	
Part V.B	access to records	Y	
Part V.C	right to inspection of equipment and operations	Y	
Part V.D	right to sample emissions	Y	
Part VI	Transfer of Ownership	Y	
Part VII	Severability	Y	
Part VIII	Other Applicable Regulations	Y	
Part IX	Special Conditions	Y	
Part IX.B	Air Pollution Control Equipment	Y	
Part IX.B.1	Requirement for steam injection	Y	
Part IX.B.2	Requirement for SCR	Y	
Part IX.D.1	restriction to refinery fuel gas and natural gas	Y	
Part IX.D.2	466 MMbtu/hr firing rate limit for each of 3 turbine/duct burner	Y	
	sets		
Part IX.D.3	1048 MMbtu/hr total firing rate limit	Y	
Part IX.D.4	fuel usage and related records	Y	
Part IX.E	Emission Limits for NOx	Y	
Part IX.F	Emission Limits for SO2	Y	
Part IX.G	Continuous Emission Monitoring	Y	
Part IX.G.1.a	Requirement for NOx CEM and fuel gas H2S sampling	Y	
Part IX.G.1.b	parametric monitoring of stack flowrates	Y	
Part IX.G.2	Requirement to maintain records (2 years)	Y	
Part IX.G.3	quarterly report of SO2 emissions and excess emissions	Y	
Part	total sulfur concentration in each fuel gas sample	Y	
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		

Table IV – Q.2 Source-specific Applicable Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

S357 – SUPPLEMENTAL DUCT BURNERS FOR S354

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part IX.G.3.d	time and date of CEM failures	Y	
Part IX.G.3.e	affirmative statement of CEM operation when no failures occur	Y	
Part IX.G.3.f	definition of excess SO2 emissions	Y	
Part IX.G.3.g	excess SO2 emissions indicated by CEM is a violation	Y	
Part IX.H	New Source Performance Standards (Subparts A and GG)	Y	
Part X	Agency Notifications	Y	
BAAQMD			
Condition			
22970			
Part B	Offset Report [2-1-403, 2-2-410]	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds – Solvent Cleaning Operations (10/16/02)		
Regulation 8,			
8-16-201	Definitions	Y	
8-16-303	Cold Cleaner Requirements	Y	
8-16-303.1	General Operating Requirements	Y	
8-16-303.1.1	Operate and maintain in proper working order	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	

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-	Covered Containers for Waste Solvent Awaiting Pick-up	Y	
303.1.4(a)			
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be	Y	
0.16.202.16	Removed	37	
8-16-303.1.6	Solvent Spray Requirements	Y	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	Y	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y	
8-16-303.3.3	Used Solvent Returned to Container	Y	
8-16-303.3.4	Label Stating Operating Requirements	Y	
8-16-303.5	Cold Cleaner Requirements for Repair and Maintenance Cleaning	Y	
8-16-303.5.2	Cleaning solution shall be branched, cyclic, or linear completely methylated siloxane (VMS)	Y	
8-16-501	Solvent Records	Y	
8-16-501.2	Facility-wide Annual Solvent Usage Records	Y	
8-16-501.3	Annual Records of Type and Amount of Solvent Used for Wipe Cleaning	Y	
8-16-501.5	Records Retained for Previous 24 Month Period	Y	
BAAQMD			
Condition 16677			
Part 1	Net usage of citrus-based solvent at S376, S377 and S378 shall not exceed 150 gallons each in any consecutive 12-month period. [Basis: Cumulative Increase]	Y	
Part 2	Criteria for using solvents other than based solvents. [Basis: Cumulative Increase and Toxic Risk Screen]	Y	
Part 3a, 3b,	Recordkeeping requirements.	Y	
3c	[Basis: Cumulative Increase and Toxic Risk Screen]		

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Marine Tank Vessel Operations (12/7/05)		
Regulation 8,			
Rule 44			
8-44-110	Exemption: loading events	Y	
8-44-111	Exemption: marine vessel fueling	Y	
8-44-115	Exemption, Safety/Emergency Operations	N	
8-44-116	Limited Exemption, Equipment Leaks	N	
8-44-301	Limitations on Marine Tank Vessel Loading and Lightering (after	N	
	1/1/07, applies to all gasoline, gasoline blending stocks, aviation gas,		
	JP-4 fuel and crude oil and any other organic compound or mixture of		
	organic compounds that exists as a liquid at actual conditions of use or		
	storage that has a flash point less than 100 degrees F)		
8-44-302	Limitations on Marine Tank Vessel Ballasting (after 1/1/07, applies to	N	
	all gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude		
	oil and any other organic compound or mixture of organic compounds		
	that exists as a liquid at actual conditions of use or storage that has a		
	flash point less than 100 degrees F)		
8-44-303	Limitations on Marine Tank Vessel Venting (after 1/1/07, applies to all	N	
	gasoline, gasoline blending stocks, aviation gas, JP-4 fuel and crude oil		
	and any other organic compound or mixture of organic compounds that		
	exists as a liquid at actual conditions of use or storage that has a flash		
	point less than 100 degrees F)		
8-44-304	Emission Control Requirements	N	
8-44-305	Equipment Leaks	N	
8-44-305.2	Leak requirements for marine vessels	N	
8-44-305.3	Inspection requirements during operation	N	
8-44-305.4	Tagging, minimization, and repair requirements	<u>N</u>	
8-44-403	Notifications Regarding Safety/Emergency Exemption	N	
8-44-404	Notifications for Operations Conducted Other Than at Marine Terminals	N	
8-44-501	Recordkeeping	N	
8-44-501.1	Records for loading events	N	
8-44-501.1.1	Name of vessel	N	
8-44-501.1.2	Owner, country, operator, and agent	N	
8-44-501.1.3	Arrival and departure	N	

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

	S420 – MARINE LOADING DERTH M2	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-44-501.1.4	Tank identifying designation, type, and amount	N	
8-44-501.1.5	Flash point and temperature	N	
8-44-501.1.6	Prior cargo	N	
8-44-501.1.7	Source of flash point data and copy of source document or analysis	N	
8-44-501.1.8	Condition of each tank	N	
8-44-501.1.9	Means used to comply with 8-44-304	N	
8-44-501.1.10	Date and time of inspections, identification equipment	N	
8-44-501.2	Records for ballasting operations	N	
8-44-501.2.1.	Information in 8-44-501.1.1 through 8-44-501.1.3	N	
8-44-501.2.2	Tank identifying designation, amount of ballast water	N	
8-44-501.2.3	Prior cargo	N	
8-44-501.2.4	Means used to comply with 8-44-302	N	
8-44-501.2.5	Date and time of inspections, identification equipment	N	
8-44-501.3	Records for venting operations	N	
8-44-501.3.1	Information in 8-44-501.1.1 through 8-44-501.1.3	N	
8-44-501.3.2	Tank identifying designation, prior cargo	N	
8-44-501.3.3	Activity leading to venting	N	
8-44-501.3.4	Means used to comply with 8-44-303	N	
8-44-501.3.5	Date and time of inspections, identification equipment	N	
8-44-502	Record Keeping – Marine Tank Vessels	<u>N</u>	
8-44-503	Record Keeping – Exemptions	<u>N</u>	
8-44-504	Burden of Proof	<u>Y</u>	
8-44-603	Leak Determinations	<u>N</u>	
8-44-604	Flash Point Determinations	<u>N</u>	
<u>SIP</u>	Organic Compounds-Marine Vessel Loading Terminals (8/30/93)	<u>Y</u>	
Regulation 8,			
Rule 44			
8-44-301	Marine Terminal Loading Limit	Y	
8-44-301.1	Limited to 5.7 gram per cubic meter (2 lb per 1000 bbl) of organic	Y	
	liquid loaded, or		
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	

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

	S420 – MARINE LOADING BERTH MIZ	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-44-304.1	Certified leak free, gas tight and in good working order	Y	
8-44-304.2	Loading ceases any time gas or liquid leaks are discovered	Y	
8-44-305	Ozone Excess Day Prohibition	Y	
8-44-402	Safety/Emergency Operations	Y	
8-44-402.1	Rule does not require act/omission in violation of Coast Guard/other rules	Y	
8-44-402.2	Rule does not prevent act/omission for vessel safety or saving life at sea	Y	
8-44-501	Record keeping	Y	
8-44-501.1	Name and location	Y	
8-44-501.2	Responsible company	Y	
8-44-501.3	Dates and times	Y	
8-44-501.4	Name, registry of the vessel loaded and legal owner	Y	
8-44-501.5	Prior cargo carried	Y	
8-44-501.6	Type, amount of liquid cargo loaded	Y	
8-44-501.7	Condition of tanks	Y	
8-44-502	Burden of proof	Y	
40 CFR 60	General Provisions (1/18/08)		
Subpart A			
60.13	Monitoring Requirements	Y	
60.13(i)	Approval of Alternative Monitoring	Y	
NSPS	Standards of Performance for Petroleum Refineries (9/21/06)		
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(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			

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Appendix A			
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			
Part 1	A420 oxidizer temperature requirements [Basis: Cumulative Increase]	Y	
Part 2	Monitoring requirements [Basis: Cumulative Increase]	Y	
Part 3	Prohibition against loading without A420 in service [Basis:	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 6a	Throughput limit for regulated materials [Basis: Cumulative Increase]	Y	
Part 6b	Maximum loading rate [Basis: Cumulative Increase]	Y	
Part 7	Limit on receipts of crude and gas oil via tanker (ship) or barge	Y	
	[Cumulative increase, Offsets]		
Part 8	Recordkeeping requirement [Basis: Cumulative Increase]	Y	
Part 9	Destruction efficiency [Basis: BACT]	Y	
Part 10	Alternative monitoring for compliance with 40 CFR 60.104(a)(1) H2S	Y	
	limit [40 CFR 60.13(i), BAAQMD Regulation 2-6-501]		

Table IV - 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 – Ua 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	General Provisions and Definitions (7/9/08)		
Regulation 1			
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors pursuant to Regulation 10	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	
1-522.5	CEM calibration requirements	Y	
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	PROVISIONS NO LONGER IN CURRENT RULE		
Regulation 1	General Provisions and Definitions (6/28/99)		

Table IV – Ua

Source-specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y – note 1	
1-522.7	emission limit exceedance reporting requirements	Y - note 1	
BAAQMD	Particulate Matter, General Requirements (12/5/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	N	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes	N	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S		
	and ammonia from process water streams		
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	Y	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes	Y – note 1	

Table IV – Ua

Source-specific Applicable Requirements

S1001 – SULFUR PLANT UNIT 234, S1002 – SULFUR PLANT UNIT 236 S1003 – SULFUR PLANT UNIT 238, S301 – MOLTEN SULFUR PIT 234

S302 – MOLTEN SULFUR PIT 236 AND S303 – MOLTEN SULFUR PIT 238

	02 - WOLTEN SULFUR III 230 AND 3303 - WOLTEN	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S		
	and ammonia from process water streams		
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	
Manual of	(1/20/82)		
Procedures,			
Volume V			
40 CFR 60	General Provisions (03/16/1994)		
Subpart A			
60.7	Notification and record keeping	Y	
60.7(a)(5)	Notification of beginning of demonstration of continuous	Y	
	monitoring system		
60.7(b)	Records of startup, shutdown, or malfunction, malfunction of control	Y	
	equipment; or periods when CEM is inoperative		
60.7(c)	Excess emissions and monitoring systems reports	Y	
60.7(d)	Format of summary report forms	Y	
60.7(f)	Records	Y	
60.8	Performance tests	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance determined by performance tests and CEM	Y	
60.11(d)	Good air pollution control practice	Y	
60.11(f)	applicable subpart shall supersede any conflicting provisions in	Y	
	paragraphs (a) through (e)		
60.11(g)	Credible evidence	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.13(a)	CEMs subject to Appendices B and F	Y	
60.13(b)	Installation of CEMs before performance tests	Y	
60.13(d)(1)	Zero and span calibration drifts	Y	
60.13(e)	Continuous operation; minimum frequency of operation	Y	
60.13(e)(2)	Monitoring cycle every 15 minutes	Y	
60.13(f)	Representative measurements	Y	
60.19	General notification and reporting requirements	Y	

Table IV – Ua

Source-specific Applicable Requirements

S1001 – SULFUR PLANT UNIT 234, S1002 – SULFUR PLANT UNIT 236 S1003 – SULFUR PLANT UNIT 238, S301 – MOLTEN SULFUR PIT 234

 $S302-Molten\ Sulfur\ Pit\ 236\ and\ S303-Molten\ Sulfur\ Pit\ 238$

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
NSPS	Standards of Performance for Petroleum Refineries for which		
40 CFR 60	Construction, Reconstruction, or Modification Commenced After		
Subpart Ja	May 14, 2007 (6/24/08)		
60.100a(b)	Applicability to sources built after 5/14/07	Y	
60.102a	Emissions limitations	Y	
60.102a(a)	Compliance within 60 days of achieving maximum production rate	Y	
	or 180 days after initial startup		
60.102a(f)(1)	Standards for Sulfur Oxides	Y	
60.102a(f)(3)	Periods of maintenance for the sulfur pits	Y	
60.103a	Work Practice Standards	Y	
60.103a(b)	Root cause analysis of any emission limit exceedance or process	Y	
	start-up, shutdown, upset, or malfunction that causes a discharge to		
	the atmosphere in excess 500 lb per day of SO2.		
60.104a	Performance tests	Y	
60.104a(a)	Initial performance test	Y	
60.104a(c)	Allowable performance tests	Y	
60.104a(h)	Performance tests for SRUs	Y	
60.104a(h)(1)	Method 1 for sample and velocity traverses	Y	
60.104a(h)(2)	Method 2 for velocity and volumetric flow rate	Y	
60.104a(h)(3)	Method 3, 3A, or 3B for gas analysis	Y	
60.104a(h)(4)	Method 6, 6A, or 6C for SO2 concentration	Y	
60.106a	Monitoring of emissions and operations for sulfur recovery units	Y	
60.106a(a)	Continuous monitoring systems	Y	
60.106a(a)(1)	Continuous SO2 and O2 Monitoring systems	Y	
60.106a(b)	Excess emissions		
60.108a	Recordkeeping and reporting requirements.	Y	
60.108a(a)	Compliance with notification, recordkeeping, and reporting requirements in §60.7 and other requirements as specified in this section.	Y	
60.108a(b)	Notification to Administrator of monitoring option	Y	
60.108a(c)(6)	Notification of discharges greater than 500 lb SO2/day and discharge to flare greater than 500,000 scfd	Y	
60.108a(d)	Excess emissions reports	Y	

Table IV – Ua

Source-specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	Specifications and Test Procedures for SO2 and NOX Continuous	Y	
Specification	Emission Monitoring Systems in Stationary Sources		
2			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			
40 CFR 63,	General Provisions (3/16/94)		
Subpart A			
63.1	Applicability (except that Subpart UUU specifies calendar or	Y	
	operating day)		
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited Activities	Y	
63.5	Construction and Reconstruction	Y	
63.5(a)	Applicability	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed	Y	
	sources (replace reference to Section 63.9 with Sections 63.9(b)(4)		
	and (5))		
63.5(c)	[reserved]	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General application requirements	Y	
63.5(d)(1)(i)	Application for approval (except that Subpart UUU specifies the	Y	
	application is submitted as soon as practicable before startup but not		
	later than 90 days (rather then 60) after the promulgation date where		
	construction or reconstruction had commenced and initial startup		
	had not occurred before promulgation.)		
63.5(d)(1)(ii)	Separate application for each construction or deconstruction (Except	Y	
	that emission estimates specified in §63.5(d)(1)(ii)(H) are not		
	required.)		
63.5(d)(3)	Application for approval of reconstruction (Except that	Y	
	§63.5(d)(3)(ii) does not apply.)		

Table IV – Ua

Source-specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.5(d)(3)(i)	A brief description of the affected source, etc.	Y	
63.5(d)(3)(iii)	An estimate of the fixed capital cost of the replacements and of	Y	
	constructing a comparable entirely new source		
63.5(d)(3)(iv)	The estimated life of the affected source after the replacements	Y	
63.5(d)(3)(v)	A discussion of any economic or technical limitations	Y	
63.5(d)(3)(vi)	Designation of reconstructed source	Y	
63.5(d)(4)	Additional information	Y	
63.5(e)	Approval of construction or reconstruction	Y	
63.5(f)	Approval of construction or reconstruction based on prior State	Y	
	preconstruction review		
63.5(f)(1)	Preconstruction review procedures that a State utilizes for other	Y	
	purposes, etc.		
63.5(f)(2)	Deadline for request of approval of construction or reconstruction	Y	
	(Except that 60 days is changed to 90 days and cross-reference to		
1	53.9(B)(2) does not apply.)		
63.6	Compliance with standards and maintenance requirements	Y	
63.6(a)	Applicability	Y	
63.6(b)	Compliance dates for new and reconstructed sources	Y	
63.6(b)(1)	Compliance at standard's effective date	Y	
63.6(b)(2)	Compliance upon startup	Y	
63.6(b)(3)	Compliance within 3 years of effective date	Y	
63.6(b)(4)	Compliance within 10 years of effective date	Y	
63.6(b)(5)	Notification to administrator of later compliance date (Except that	Y	
	subpart UUU specifies different compliance dates for sources)		
63.6(c)	Compliance dates for existing sources	Y	
63.6(c)(1)	Compliance with standards by the compliance date established by	Y	
	the Administrator		
63.6(c)(2)	Compliance with standards by date established by Section 112(f) of	Y	
	the act		
63.6(e)	Operation and maintenance requirements	Y	
63.6(e)(1)	Operation in a manner consistent with safety and good	Y	
,	air pollution control practices		
63.6(e)(2)	Reserved	Y	

63.6(g)

Table IV – Ua

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** Date Requirement **Description of Requirement** (Y/N)63.6(e)(3) Startup, shutdown, and malfunction plan Y 63.6(e)(3)(i)Development and implementation of a written startup, shutdown, and malfunction plan 63.6(e)(3)(ii) Periods of startup, shutdown, and malfunction Y Operation consistent with procedures Y 63.6(e)(3)(iii) Y 63.6(e)(3)(iv) Operation not consistent with procedures (Except that reports of actions not consistent with plan are not required within 2 and 7 days of action but rather must be included in next periodic report) Maintenance of the plan at the affected source (The owner or Y 63.6(e)(3)(v)operator is only required to keep the latest version of the plan) 63.6(e)(3)(vi) Alternative plans Y 63.6(e)(3)Administrator may require changes to plan Y (vii) Y 63.6(e)(3)The owner or operator may periodically revise the startup, shutdown, (viii) and malfunction plan 63.6(f) Compliance with non-opacity emission standards Y 63.6(f)(1)Applicability (standards apply at all times except startup, shutdown, Y and malfunction) 63.6(f)(2) Methods for determining compliance Y 63.6(f)(2)(i)Based on performance tests Y Y 63.6(f)(2)(ii) Evaluation of an owner or operator's conformance with operation and maintenance requirements Conditions under which performance testing for state requirements Y 63.6(f)(2)(iii) shows compliance 63.6(f)(2)(iii) Performance test conducted within a reasonable amount of time Y (A) 63.6(f)(2)(iii) Performance test conducted under representative operating Y conditions (B) Y 63.6(f)(2)(iii) EPA-approved test methods and procedures (c) 63.6(f)(2)(iv)Determination of compliance Y 63.6(f)(2)(v) Conformance with operation and maintenance requirements Y 63.6(f)(3)Finding of compliance Y

Use of an alternative non-opacity emission standard

Y

Table IV – Ua

Source-specific Applicable Requirements

	02 – MOLTEN SULFUR PTI 230 AND S505 – MOLTEN S		Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	Emorceable (Y/N)	Date
63.6(i)	Extension of compliance with emission standards (Parts 1-14 and	Y	Date
03.0(1)		1	
62.7	part 16. Part 15 is reserved.	37	
63.7	Performance testing requirements	Y	
63.7(a)	Applicability and performance test dates	Y	
63.7(a)(1)	Performance test requirements Applicability (Except that subpart	Y	
	UUU specifies the applicable test and demonstration procedures.)		
63.7(a)(3)	The Administrator may require performance tests at any time when	Y	
	action is authorized by section 114 of the Act (Except that subpart		
	UUU specifies notification at least 30 days prior to the scheduled		
	test date rather than 60 days.)		
63.7(b)	Notification of performance test	Y	
63.7(c)	Quality assurance program	Y	
63.7(d)	Performance testing facilities	Y	
63.7(e)	Conduct of performance tests	Y	
63.7(f)	Use of an alternative test method	Y	
63.7(g)	Data analysis, recordkeeping, and reporting (Except performance	Y	
	test reports must be submitted with notification of compliance status		
	due 150 days after the compliance date.)		
63.7(h)	Waiver of performance tests	Y	
63.8	Monitoring requirements	Y	
63.8(a)	Applicability	Y	
63.8(a)(1)	Applicability	Y	
63.8(a)(2)	Performance Specifications	Y	
63.8(a)(4)	Additional monitoring requirements for control devices	Y	
63.8(b)	Conduct of monitoring	Y	
63.8(b)(1)	Conduct of monitoring	Y	
63.8(b)(2)	Combination of the emissions from two or more affected sources	Y	
	(Subpart UUU specifies the required monitoring locations.)		
63.8(b)(3)	More than one CMS (Subpart UUU specifies the required	Y	
	monitoring locations.)		
63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
63.8(c)(1)	Good air pollution control practices	Y	
63.8(c)(1)(i)	Maintenance and operation of each CMS	Y	

Table IV – Ua

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.8(c)(1)(ii)	Parts for routine repairs readily available (Except that subpart UUU	Y	
	specifies that reports are not required if actions are consistent with		
	the SSM plan, unless requested by the permitting authority. If		
	actions are not consistent, actions must be described in next		
	compliance report.)		
63.8(c)(1)(iii)	Compliance with Operation and Maintenance Requirements	Y	
	(Except that subpart UUU specifies that reports are not required if		
	actions are consistent with the SSM plan, unless requested by the		
	permitting authority. If actions are not consistent, actions must be		
62.0(.)(2)	described in next compliance report.)		
63.8(c)(2)	Monitoring system installation	Y	
63.8(c)(3)	Monitoring system installation	Y	
63.8(c)(4)(ii)	One cycle of operation for each 15-minute period (Applicable since	Y	
62.0(.)(6)	facility has chosen to comply with NSPS SO2 standard)		
63.8(c)(6)	CMS Requirements (Applicable since facility has chosen to comply	Y	
(2.9(.)(7)	with NSPS SO2 standard)	V	
63.8(c)(7)	Out-of-control CMS	Y	
63.8(c)(8)	Submittal of all information concerning out-of-control periods	Y	
63.8(d)	Quality Control Program (Applicable since facility has chosen to comply with NSPS SO2 standard)	Y	
63.8(e)	Performance evaluation of continuous monitoring systems	Y	
3213(3)	(Applicable since facility has chosen to comply with NSPS SO2	_	
	standard. Results to be submitted by part of Notification		
	Compliance Status due 150 days after the compliance date)		
63.8(f)	Use of an alternative monitoring method	Y	
63.8(g)	Reduction of monitoring data	Y	
63.8(g)(1)	Reduction of monitoring data	Y	
63.8(g)(2)	1-hour averages	Y	
63.8(g)(3)	Records in reduced or non-reduced form	Y	
63.8(g)(4)	Units of the relevant standard	Y	
63.9	Notification requirements	Y	
63.9(a)	Applicability and general information	Y	
63.9(b)	Initial notifications (Sections 1, 2, 4, and 5. Section 3 is reserved.)	Y	
	Notification of construction or reconstruction is to be submitted as		

$Table\ IV-Ua$

Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	soon as practicable before startup.)	, ,	
63.9(c)	Request for extension of compliance	Y	
63.9(d)	Notification that source is subject to special compliance	Y	
` ,	requirements		
63.9(e)	Notification of performance test (Except that notification is required at least 30 days before test.)	Y	
63.9(g)	Additional notification requirements for sources with continuous	Y	
	monitoring systems (Applicable since facility has chosen to comply with NSPS SO2 standard)		
63.9(h)	Notification of compliance status (Except that subpart UUU	Y	
	specifies the notification is due no later than 150 days after		
(2.0(1)	compliance date.)		
63.9(i)	Adjustment to time periods or postmark deadlines	Y	
63.9(j)	Change in information already provided	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.10(a)	Applicability and general information	Y	
63.10(b)	General recordkeeping requirements	Y	
63.10(c)	Additional recordkeeping requirements for sources with continuous monitoring systems	Y	
63.10(c)(1)	All required CMS measurements	Y	
63.10(c)(2)	[reserved]	Y	
63.10(c)(3)	[reserved]	Y	
63.10(c)(4)	[reserved]	Y	
63.10(c)(5)	Date and time when CMS was inoperative	Y	
63.10(c)(6)	Date and time when CMS was out-of-control	Y	
63.10(c)(9)	[reserved]	Y	
63.10(c)(10)	The nature and cause of any malfunction	Y	
63.10(c)(11)	Corrective action or preventive measures	Y	
63.10(c)(12)	Nature of repairs or adjustments	Y	
63.10(c)(13)	Process operating time	Y	
63.10(c)(14)	Procedures in quality control program	Y	
63.10(c)(15)	Use of startup, shutdown, and malfunction plan	Y	
63.10(d)	General reporting requirements	Y	

Table IV – Ua

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(d)(1)	Reports to the Administrator	Y	
63.10(d)(4)	Progress reports	Y	
63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports	Y	
63.10(d)(5)	Immediate startup, shutdown, and malfunction reports (reports not	Y	
(ii)	required if actions consistent with the SSM plan, unless requested by		
	permitting authority)		
63.10(e)	Additional reporting requirements for sources with continuous	Y	
	monitoring systems		
63.10(e)(1)	General (Applicable since facility has chosen to comply with NSPS SO2 standard)	Y	
63.10(e)(2)	Reporting results of continuous monitoring system performance	Y	
	evaluations (Applicable since facility has chosen to comply with		
	NSPS SO2 standard)		
63.10(f)	Waiver of recordkeeping or reporting requirements	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic		
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		
63.1561	Am I subject to this subpart?	Y	
63.1562(a)	New, reconstructed, or existing affected sources	Y	
63.1562(b)(3)	Sulfur recovery units and tail gas treatment units	Y	
63.1563	When do I have to comply with this subpart?	Y	
63.1563(b)	Deadline for existing sources-4/11/05	Y	
63.1563(e)	Notification requirements	Y	
63.1568	What are my requirements for HAP emissions from sulfur recovery	Y	
	units?		
63.1568(a)	Emission limitations and work practice standards	Y	
63.1568(a)(1)	Sulfur Emission Limitation from Claus sulfur recovery units electing	Y	
(i)	to meet NSPS Limits: 250 ppmvd SO2 at 0% excess air. (Table 29,		
	Item 2.a)		
63.1568(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate	Y	
	at all times according to the procedures in the plan		
63.1568(b)	Demonstrate Initial Compliance with Emission Limitation and Work	Y	
	Practice Standard		

Table IV – Ua 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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1568(b)(1)	Continuous Emission Monitoring System to measure and record	Y	
	hourly average SO2 concentration, with O2 monitor to correct		
	excess air concentration (Table 31, Item 2.a)		
63.1568(b)(2)	Performance Test: measure SO2 concentration using CEMS every	Y	
	15 minutes for 24 hours and reduce the data to 1-hr averages (Table		
	32, Item 1)		
63.1568(b)(5)	Demonstrate Initial Compliance with Emission Limitation: Average	Y	
	SO2 emissions measured by CEMS in initial performance test not		
	greater than 250 ppmvd at 0% excess O2, and monitoring system		
	meets applicable requirements (Table 33, Item 2.a)		
63.1568(b)(6)	Demonstrate initial compliance by submitting Operation,	Y	
	Maintenance, and Monitoring Plan		
63.1568(b)(7)	Submit Notice of Compliance Status	Y	
63.1568(c)	Demonstrate Continuous Compliance with Emission Limitation and	Y	
	Work Practice Standards		
63.1568(c)(1)	Demonstrate Continuous Compliance with Emission Limitation:	Y	
	collect hourly average SO2 monitoring data; maintain hourly		
	average below applicable limit; determine and record each 12-hour		
	concentration; report 12-hour concentration greater than applicable		
	limitation (Table 34, Item 2.a)		
63.1568(c)(2)	Demonstrate Continuous Compliance with Work Practice Standards	<u>Y</u>	
	by complying with the procedures in Operation, Maintenance, and		
	Monitoring Plan.		
63.1570	What are my general requirements for complying with this subpart?	Y	
63.1570(a)	Operate in compliance with non-opacity standards at all times except	Y	
	during periods of startup, shutdown, and malfunction, as specified in		
	63.6(f)(1)		
63.1570(c)	Operate and maintain source including pollution control and	Y	
	monitoring equipment in accordance with 63.6(e)(1). Between		
	4/11/05 and the date continuous monitoring systems are installed		
	and validated and operating limits have been set, maintain a log		
	detailing operation and maintenance of process and equipment.		
63.1570(d)	Develop and implement startup, shutdown, and malfunction plan	Y	
	(SSMP) in accordance with 63.6(e)(3)		

$Table\ IV-Ua$

Source-specific Applicable Requirements

Amuliaabla	Deceletion Title on	Federally Enforceable	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement		Date
		(Y/N)	Date
63.1570(e)	Operate in accordance with SSMPP during periods of startup,	Y	
(2.1570/6	shutdown, and malfunction	Y	
63.1570(f)	Report deviations from compliance with this subpart according to	Y	
(2.1570()	the requirements of 63.1575	37	
63.1570(g)	Deviations that occur during startup, shutdown, or malfunction are	Y	
	not violations if operating in accordance with SSMP	37	
63.1571	How and when do I conduct a performance test or other initial	Y	
	compliance demonstration?		
63.1571(a)	Conduct Performance Test and submit results no later than 150 days	Y	
	after compliance date		
63.1571(a)(1)	For emission limitation or work practice standard where compliance	Y	
	not demonstrated using performance test, opacity observation, or		
	visible emission observation, conduct initial compliance		
	demonstration within 30 days after compliance date		
63.1571(b)	Requirements for Performance Tests	Y	
63.1571(b)(1)	Conduct performance tests in accordance with the requirements of	Y	
	63.7(e)(1)		
63.1571(b)(2)	Conduct three separate test runs of at least an hour for each	Y	
	performance test		
63.1571(b)(3	Conduct each performance evaluation in accordance with the	Y	
	requirements of 63.8(e)		
63.1571(b)(4)	Performance tests not conducted during periods of startup,	Y	
	shutdown, or malfunction		
63.1571(b)(5)	Arithmetic average of emission rates	Y	
63.1572	What are my monitoring installation, operation, and maintenance	Y	
	requirements?		
63.1572(a)	Requirements for installation, operation, and maintenance of	Y	
	continuous emission monitoring system		
63.1572(a)(1)	SO2 CEMS must meet requirements of Performance Specification 2	Y	
. , , ,	(40 CFR Part 60, App B) (Table 40, Item 4)		
63.1572(a)(2)	Conduct performance evaluation for SO2 CEMS according to	Y	
	Performance Specification 2 (Table 40, Item 4)		
63.1572(a)(3)	CEMS must complete one cycle of operation for each 15-minute	Y	
(/(-/	period	_	

Table IV – Ua

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1572(a)(4)	Data reduction per 63.8(g)(2)	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times, except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Data recorded during monitoring malfunctions, repairs, and QA/QC activities not used for compliance purposes	Y	
63.1573	What are my monitoring alternatives?	Y	
63.1573(d)	Monitoring for alternative parameters (optional)	Y	
63.1573(e)	Alternative Monitoring Requests (optional)	Y	
63.1574	What notifications must I submit and when?	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(1)	Notifications of reconstruction	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3)	Submit Notification of Compliance Status for initial compliance	Y	
(ii)	demonstration that includes a performance test, no later than 150		
	days after source compliance date		
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table 42): identification of affected sources and emission points (Item 1); initial compliance demonstration (Item 2); continuous compliance (Item 3)	Y	
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(1)	Submit plan to permitting authority for review and approval along with notification of compliance status. Include duty to prepare and implement plan into Part 70 or 71 permit.	Y	
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(2) (ii)	Procedures for monitoring emissions and process and control device operating parameters for each affected source.	Y	
63.1574(f)(2) (vii)	Monitoring schedule	Y	
63.1574(f)(2) (ix)	Quality control plan for continuous emission monitor	Y	

Table IV – Ua

Source-specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1574(f)(2)	Maintenance schedule for monitoring systems and control devices	Y	
(x)			
63.1575	What reports must I submit and when?	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report	Y	
	including information in 1575(d) or (e) (Table 43, Item 1) on a		
	semi-annual basis		
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and	Y	
	work practice standards where CEMS or COMS is not used to		
	comply with emission limitation or work practice standard		
63.1575(e)	Information required for deviations from emission limitations and	Y	
	work practice standards where CEMS or COMS is used to comply		
	with emission limitation or work practice standard		
63.1575(f)	Additional information for compliance reports	Y	
63.1575(f)(1)	Requirement to submit performance test reports	Y	
63.1575(f)(2)	Submittal of requested change in the applicability of an emission	Y	
	standard		
63.1575(g)	Submittal of reports required by other regulations in place of or as	Y	
	part of compliance report if they contain the required information		
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	What records must I keep, in what form, and for how long?	Y	
63.1576(a)	Required Records – General	Y	
63.1576(b)	Records for CEMs	Y	
63.1576(b)(1)	Records described in §63.10(b)(2)(vi) through (xi).	Y	
63.1576(b)(3)	Previous (i.e., superceded) versions of the performance evaluation	Y	
	plan as required in §63.8(d)(3).		
63.1576(b)(4)	Requests for alternatives to the relative accuracy test for continuous	Y	
	emission monitoring systems as required in §63.8(f)(6)(i).		
63.1576(b)(5)	Records of the date and time that each deviation started and stopped,	Y	
	and whether the deviation occurred during a period of startup,		
	shutdown, or malfunction or during another period.		
63.1576(d)	Records required by Tables 34 and 35 of Subpart UUU	Y	
63.1576(e)	Maintain copy of operation, maintenance, and monitoring plan	Y	

Table IV – Ua

Source-specific Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for 2 years; may be maintained offsite for remaining 3 years	Y	
BAAQMD	2 years		
Condition 19278			
Part 3	Annual source test to verify SO3 and H2SO4 exhaust concentrations. [Basis: Regulation 6-330]	Y	
Part 4	Visible emissions monitoring for particulate [Basis: Regulation 2-6-503]	Y	
Part 5	Source test within 90 days of issuance of Major Facility Review permit pursuant to Application 10994; Annual testing [2-6-503]	Y	10/31/08
Part 6	Throughput limits [Cumulative Increase]	Y	
BAAQMD	APPLIES TO S1002, S1003 ONLY		
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT, Cumulative Increase, Toxic Management Policy]	Y	
BAAQMD Condition 22964	APPLIES TO S301, S302, S303		
Part 1	Throughput limit for S301, S302, S303 [Cumulative Increase]	<u>Y</u>	
Part 4	Abatement requirement for S301 [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]	Y	

Table IV – Ua

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Abatement requirement for S302 [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]	<u>Y</u>	
Part 6	Abatement requirement for S303 [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]	<u>Y</u>	
Part 7	Maintenance allowance for sulfur pits [Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07]	Y	
Part 8	Recordkeeping [Cumulative Increase]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
requirement	For additional requirements for S1010, see Table IV-I.1	(2/14)	Dute
BAAQMD Regulation 1	General Provisions and Definitions (7/9/08)		
1-501	Sampling Facilities	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.4	CEMS for SO2	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures		
1-522.1	approval of plans and specifications	Y	
1-522.2	scheduling requirements	Y	
1-522.3	CEM performance testing	Y	
1-522.4	reporting of inoperative CEMs	Y	

	8465, MOLTEN SULFUR PIT; \$1010 – U235 SULFUR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-522.5	CEM calibration requirements	Y	Dute
1-522.6	CEM accuracy requirements	Y	
1-522.7	emission limit exceedance reporting requirements	N	
1-522.8	monitoring data submittal requirements	Y	
1-522.9	recordkeeping requirements	Y	
1-522.10	Regulation 1-521 monitors shall meet requirements specified by District	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
1-602	Area and Continuous Monitoring Requirements	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	\mathbf{Y}^{1}	
1-522.7	emission limit exceedance reporting requirements	Y^1	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y^1	
1-523.3	Reports of Violations	\mathbf{Y}^{1}	
BAAQMD	Particulate Matter, General Requirements (12/5/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310.3	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-330	Sulfur Recovery Units (SO3, H2SO4 emission limitations)	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	

	S405, WOLTEN SOLFORTH, STOTO - C255 SOLFOR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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			
9-1-307	Emission Limitations for Sulfur Recovery Plants	Y	
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	N	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes	N	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S		
	and ammonia from process water streams (sulfur recovery is		
	required when a facility removes 16.5 ton/day or more of		
	elemental sulfur).		
9-1-502	Emission Monitoring Requirements	Y	
9-1-605	Emission Monitoring	Y	
SIP	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)		
Regulation 9,			
Rule 1			
9-1-313	Sulfur Removal Operations at Petroleum Refineries (processing	Y	
	more than 20,000 bbl/day of crude oil)		
9-1-313.2	operation of a sulfur removal and recovery system that removes	Y – note 1	
	and recovers: 95% of H2S from refinery fuel gas, 95% of H2S		
	and ammonia from process water streams		
BAAQMD	Source Test Policy and Procedures (1/20/82)	Y	
Manual of			
Procedures,			
Volume IV			
BAAQMD	Continuous Emission Monitoring Policy and Procedures	Y	
Manual of	(1/20/82)		
Procedures,			
Volume V			
40 CFR 60	General Provisions (03/16/1994)		
Subpart A			
60.7	Notification and record keeping	Y	
60.7(a)(5)	Notification of beginning of demonstration of continuous	Y	
	monitoring system		

	D. J. G. Tita	Federally	Future
Applicable	Regulation Title or	Enforceable (V/N)	Effective Date
Requirement 60.7(b)	Description of Requirement Records of startup, shutdown, or malfunction, malfunction of control	Y (Y/N)	Date
00.7(0)	equipment; or periods when CEM is inoperative	1	
60.7(c)	Excess emissions and monitoring systems reports	Y	
60.7(d)	Format of summary report forms	Y	
60.7(f)	Records	Y	
60.8	Performance tests	Y	
60.11	Compliance with standards and maintenance requirements	Y	
	1	Y	
60.11(a)	Condition allowing and the Condition and the Con		
60.11(d)	Good air pollution control practice	Y	
60.11(f)	applicable subpart shall supersede any conflicting provisions in	Y	
(0.11(-)	paragraphs (a) through (e)	v	
60.11(g)	Credible evidence	Y	
60.12	Circumvention	Y	
60.13	Monitoring requirements	Y	
60.13(a)	CEMs subject to Appendices B and F	Y	
60.13(b)	Installation of CEMs before performance tests	Y	
60.13(d)(1)	Zero and span calibration drifts	Y	
60.13(e)	Continuous operation; minimum frequency of operation	Y	
60.13(e)(2)	Monitoring cycle every 15 minutes	Y	
60.13(f)	Representative measurements	Y	
60.19	General notification and reporting requirements	Y	
NSPS	Standards of Performance for Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After		
40 CFR 60	May 14, 2007 (6/24/08)		
Subpart Ja			
60.100a(b)	Applicability to sources built after 5/14/07	Y	
60.102a	Emissions limitations	Y	
60.102a(a)	Compliance within 60 days of achieving maximum production rate	Y	
	or 180 days after initial startup		
60.102a(f)(1)	Standards for Sulfur Oxides	Y	
60.102a(f)(3)	Periods of maintenance for the sulfur pits	Y	
60.103a	Work Practice Standards	Y	
60.103a(b)	Root cause analysis of any emission limit exceedance or process	Y	
	start-up, shutdown, upset, or malfunction that causes a discharge to		
	the atmosphere in excess 500 lb per day of SO2.		

	S405, MOLTEN SULFUR PIT; S1010 – 0255 SULFUR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.104a	Performance tests	Y	
60.104a(a)	Initial performance test	Y	
60.104a(c)	Allowable performance tests	Y	
60.104a(h)	Performance tests for SRUs	Y	
60.104a(h)(1)	Method 1 for sample and velocity traverses	Y	
60.104a(h)(2)	Method 2 for velocity and volumetric flow rate	Y	
60.104a(h)(3)	Method 3, 3A, or 3B for gas analysis	Y	
60.104a(h)(4)	Method 6, 6A, or 6C for SO2 concentration	Y	
60.106a	Monitoring of emissions and operations for sulfur recovery units	Y	
60.106a(a)	Continuous monitoring systems	Y	
60.106a(a)(1)	Continuous SO2 and O2 Monitoring systems	Y	
60.106a(b)	Excess emissions	Y	
60.108a	Recordkeeping and reporting requirements.	Y	
60.108a(a)	Compliance with notification, recordkeeping, and reporting	Y	
	requirements in §60.7 and other requirements as specified in this		
	section.		
60.108a(b)	Notification to Administrator of monitoring option	Y	
60.108a(c)(6)	Notification of discharges greater than 500 lb SO2/day and	Y	
	discharge to flare greater than 500,000 scfd		
60.108a(d)	Excess emissions reports	Y	
40 CFR 60	Standards of Performance for VOC Emissions from Petroleum	Y	
Subpart	Refinery Wastewater Systems (8/18/95) APPLIES TO S1010		
QQQ	ONLY. See Table IV-I.1		
NSPS	Performance Specifications		
40 CFR 60			
Appendix B			
Performance	Specifications and Test Procedures for SO2 and NOX Continuous	Y	
Specification	Emission Monitoring Systems in Stationary Sources		
2			
NSPS	Quality Assurance Procedures		
40 CFR 60			
Appendix F			

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 63,	General Provisions (3/16/94)		
Subpart A			
63.1	Applicability (except that Subpart UUU specifies calendar or	Y	
	operating day)		
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited Activities	Y	
63.5	Construction and Reconstruction	Y	
63.5(a)	Applicability	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed	Y	
	sources (replace reference to Section 63.9 with Sections 63.9(b)(4)		
	and (5))		
63.5(c)	[reserved]	Y	
63.5(d)	Application for approval of construction or reconstruction	Y	
63.5(d)(1)	General application requirements	Y	
63.5(d)(1)(i)	Application for approval (except that Subpart UUU specifies the	Y	
	application is submitted as soon as practicable before startup but not		
	later than 90 days (rather then 60) after the promulgation date where		
	construction or reconstruction had commenced and initial startup		
	had not occurred before promulgation.)		
63.5(d)(1)(ii)	Separate application for each construction or deconstruction (Except	Y	
	that emission estimates specified in §63.5(d)(1)(ii)(H) are not		
	required.)		
63.5(d)(3)	Application for approval of reconstruction (Except that	Y	
	§63.5(d)(3)(ii) does not apply.)		
63.5(d)(3)(i)	A brief description of the affected source, etc.	Y	
63.5(d)(3)(iii)	An estimate of the fixed capital cost of the replacements and of	Y	
	constructing a comparable entirely new source		
63.5(d)(3)(iv)	The estimated life of the affected source after the replacements	Y	
63.5(d)(3)(v)	A discussion of any economic or technical limitations	Y	
63.5(d)(3)(vi)	Designation of reconstructed source	Y	
63.5(d)(4)	Additional information	Y	
63.5(e)	Approval of construction or reconstruction	Y	
63.5(f)	Approval of construction or reconstruction based on prior State	Y	
	preconstruction review		

Amultaabla	Deculation Title on	Federally	Future Effective
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Date
63.5(f)(1)	Preconstruction review procedures that a State utilizes for other	Y	Date
03.3(1)(1)	purposes, etc.	1	
63.5(f)(2)	Deadline for request of approval of construction or reconstruction	Y	
03.3(1)(2)	(Except that 60 days is changed to 90 days and cross-reference to	1	
İ	53.9(B)(2) does not apply.)		
63.6	Compliance with standards and maintenance requirements	Y	
63.6(a)	Applicability	Y	
63.6(b)	Compliance dates for new and reconstructed sources	Y	
63.6(b)(1)	Compliance at standard's effective date	Y	
63.6(b)(2)	Compliance upon startup	Y	
	Compliance within 3 years of effective date	Y	
63.6(b)(3)	Compliance within 10 years of effective date		
63.6(b)(4) 63.6(b)(5)	-	Y Y	
03.0(0)(3)	Notification to administrator of later compliance date (Except that subpart UUU specifies different compliance dates for sources)	1	
62.6(a)		Y	
63.6(c)	Compliance dates for existing sources		
63.6(c)(1)	Compliance with standards by the compliance date established by the Administrator	Y	
62.6(a)(2)	Compliance with standards by date established by Section 112(f) of	Y	
63.6(c)(2)	the act	1	
62.6(a)	Operation and maintenance requirements	Y	
63.6(e)	1		
63.6(e)(1)	Operation in a manner consistent with safety and good air pollution control practices	Y	
62 6(a)(2)	Reserved	Y	
63.6(e)(2)		Y	
63.6(e)(3)	Startup, shutdown, and malfunction plan		
63.6(e)(3)(i)	Development and implementation of a written startup, shutdown, and malfunction plan	Y	
63.6(e)(3)(ii)	Periods of startup, shutdown, and malfunction	Y	
63.6(e)(3)(iii)	Operation consistent with procedures	Y	
	Operation not consistent with procedures (Except that reports of	Y	
63.6(e)(3)(iv)	actions not consistent with plan are not required within 2 and 7 days	1	
1	of action but rather must be included in next periodic report)		
63.6(e)(3)(v)	Maintenance of the plan at the affected source (The owner or	Y	
03.0(0)(3)(4)	operator is only required to keep the latest version of the plan)	1	
63.6(e)(3)(vi)	Alternative plans	Y	
03.0(5)(3)(41)	Auctuative plans	1	

	5405, MOLTEN SULFUR PIT; S1010 – 0255 SULFUR I	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.6(e)(3)	Administrator may require changes to plan	Y	
(vii)	, , , , , , , , , , , , , , , , , , , ,		
63.6(e)(3)	The owner or operator may periodically revise the startup, shutdown,	Y	
(viii)	and malfunction plan		
63.6(f)	Compliance with non-opacity emission standards	Y	
63.6(f)(1)	Applicability (standards apply at all times except startup, shutdown,	Y	
	and malfunction)		
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(2)(i)	Based on performance tests	Y	
63.6(f)(2)(ii)	Evaluation of an owner or operator's conformance with operation	Y	
	and maintenance requirements		
63.6(f)(2)(iii)	Conditions under which performance testing for state requirements	Y	
	shows compliance		
63.6(f)(2)(iii)	Performance test conducted within a reasonable amount of time	Y	
(A)			
63.6(f)(2)(iii)	Performance test conducted under representative operating	Y	
(B)	conditions		
63.6(f)(2)(iii)	EPA-approved test methods and procedures	Y	
(c)			
63.6(f)(2)(iv)	Determination of compliance	Y	
63.6(f)(2)(v)	Conformance with operation and maintenance requirements	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative non-opacity emission standard	Y	
63.6(i)	Extension of compliance with emission standards (Parts 1-14 and	Y	
	part 16. Part 15 is reserved.		
63.7	Performance testing requirements	Y	
63.7(a)	Applicability and performance test dates	Y	
63.7(a)(1)	Performance test requirements Applicability (Except that subpart	Y	
	UUU specifies the applicable test and demonstration procedures.)		
63.7(a)(3)	The Administrator may require performance tests at any time when	Y	
	action is authorized by section 114 of the Act (Except that subpart		
	UUU specifies notification at least 30 days prior to the scheduled		
	test date rather than 60 days.)		
63.7(b)	Notification of performance test	Y	
63.7(c)	Quality assurance program	Y	

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

	S405, WOLTEN SULFUR PIT; S1010 – 0255 SULFUR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.7(d)	Performance testing facilities	Y	2400
63.7(e)	Conduct of performance tests	Y	
63.7(f)	Use of an alternative test method	Y	
63.7(g)	Data analysis, recordkeeping, and reporting (Except performance	Y	
03.7(5)	test reports must be submitted with notification of compliance status	1	
	due 150 days after the compliance date.)		
63.7(h)	Waiver of performance tests	Y	
63.8	Monitoring requirements	Y	
63.8(a)	Applicability	Y	
63.8(a)(1)	Applicability	Y	
63.8(a)(1)	Performance Specifications	Y	
63.8(a)(4)	Additional monitoring requirements for control devices	Y	
63.8(a)(4)	Conduct of monitoring	Y	
	Conduct of monitoring Conduct of monitoring	Y	
63.8(b)(1) 63.8(b)(2)	Combination of the emissions from two or more affected sources	Y	
03.8(0)(2)	(Subpart UUU specifies the required monitoring locations.)	1	
63.8(b)(3)	More than one CMS (Subpart UUU specifies the required	Y	
03.8(0)(3)	monitoring locations.)	1	
63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
63.8(c)(1)	Good air pollution control practices	Y	
	Maintenance and operation of each CMS	Y	
63.8(c)(1)(i) 63.8(c)(1)(ii)	Parts for routine repairs readily available (Except that subpart UUU	Y	
03.8(0)(1)(11)	specifies that reports are not required if actions are consistent with	1	
	the SSM plan, unless requested by the permitting authority. If		
	actions are not consistent, actions must be described in next		
	compliance report.)		
63.8(c)(1)(iii)	Compliance with Operation and Maintenance Requirements	Y	
03.0(c)(1)(iii)	(Except that subpart UUU specifies that reports are not required if	1	
	actions are consistent with the SSM plan, unless requested by the		
	permitting authority. If actions are not consistent, actions must be		
	described in next compliance report.)		
63.8(c)(2)	Monitoring system installation	Y	
63.8(c)(3)	Monitoring system installation	Y	
63.8(c)(4)(ii)	One cycle of operation for each 15-minute period (Applicable since	Y	
	facility has chosen to comply with NSPS SO2 standard)	-	

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
63.8(c)(6)	CMS Requirements (Applicable since facility has chosen to comply	Y	Dute
02.0(0)(0)	with NSPS SO2 standard)	-	
63.8(c)(7)	Out-of-control CMS	Y	
63.8(c)(8)	Submittal of all information concerning out-of-control periods	Y	
63.8(d)	Quality Control Program (Applicable since facility has chosen to	Y	
. ,	comply with NSPS SO2 standard)		
63.8(e)	Performance evaluation of continuous monitoring systems	Y	
, ,	(Applicable since facility has chosen to comply with NSPS SO2		
	standard. Results to be submitted by part of Notification		
	Compliance Status due 150 days after the compliance date)		
63.8(f)	Use of an alternative monitoring method	Y	
63.8(g)	Reduction of monitoring data	Y	
63.8(g)(1)	Reduction of monitoring data	Y	
63.8(g)(2)	1-hour averages	Y	
63.8(g)(3)	Records in reduced or non-reduced form	Y	
63.8(g)(4)	Units of the relevant standard	Y	
63.9	Notification requirements	Y	
63.9(a)	Applicability and general information	Y	
63.9(b)	Initial notifications (Sections 1, 2, 4, and 5. Section 3 is reserved.)	Y	
	Notification of construction or reconstruction is to be submitted as		
	soon as practicable before startup.)		
63.9(c)	Request for extension of compliance	Y	
63.9(d)	Notification that source is subject to special compliance requirements	Y	
63.9(e)	Notification of performance test (Except that notification is required	Y	
(1)	at least 30 days before test.)		
63.9(g)	Additional notification requirements for sources with continuous	Y	
	monitoring systems (Applicable since facility has chosen to comply		
	with NSPS SO2 standard)		
63.9(h)	Notification of compliance status (Except that subpart UUU	Y	
	specifies the notification is due no later than 150 days after		
	compliance date.)		
63.9(i)	Adjustment to time periods or postmark deadlines	Y	
63.9(j)	Change in information already provided	Y	
63.10	Recordkeeping and reporting requirements	Y	

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

	S405, MOLTEN SULFUR PIT; S1010 – 0255 SULFUR I	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.10(a)	Applicability and general information	Y	
63.10(b)	General recordkeeping requirements	Y	
63.10(c)	Additional recordkeeping requirements for sources with continuous	Y	
	monitoring systems		
63.10(c)(1)	All required CMS measurements	Y	
63.10(c)(2)	[reserved]	Y	
63.10(c)(3)	[reserved]	Y	
63.10(c)(4)	[reserved]	Y	
63.10(c)(5)	Date and time when CMS was inoperative	Y	
63.10(c)(6)	Date and time when CMS was out-of-control	Y	
63.10(c)(9)	[reserved]	Y	
63.10(c)(10)	The nature and cause of any malfunction	Y	
63.10(c)(11)	Corrective action or preventive measures	Y	
63.10(c)(12)	Nature of repairs or adjustments	Y	
63.10(c)(13)	Process operating time	Y	
63.10(c)(14)	Procedures in quality control program	Y	
63.10(c)(15)	Use of startup, shutdown, and malfunction plan	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(1)	Reports to the Administrator	Y	
63.10(d)(4)	Progress reports	Y	
63.10(d)(5)(i)	Periodic startup, shutdown, and malfunction reports	Y	
63.10(d)(5)	Immediate startup, shutdown, and malfunction reports (reports not	Y	
(ii)	required if actions consistent with the SSM plan, unless requested by		
	permitting authority)		
63.10(e)	Additional reporting requirements for sources with continuous	Y	
	monitoring systems		
63.10(e)(1)	General (Applicable since facility has chosen to comply with NSPS	Y	
	SO2 standard)		
63.10(e)(2)	Reporting results of continuous monitoring system performance	Y	
	evaluations (Applicable since facility has chosen to comply with		
	NSPS SO2 standard)		
63.10(f)	Waiver of recordkeeping or reporting requirements	Y	
63.15	Availability of information and confidentiality	Y	

A	Building Titler	Federally	Future
Applicable Requirement	Regulation Title or Description of Requirement	Enforceable (Y/N)	Effective Date
40 CFR 63	National Emission Standards for Hazardous Pollutants for	Y	Date
Subpart	Petroleum Refineries: Catalytic Cracking Units, Catalytic	1	
UUU	Reforming Units, and Sulfur Recovery Units (4/11/02)		
63.1561	Am I subject to this subpart?	Y	
63.1562(a)	New, reconstructed, or existing affected sources	Y	
63.1562(b)(3)	Sulfur recovery units and tail gas treatment units	Y	
63.1563	When do I have to comply with this subpart?	Y	
63.1563(b)	Deadline for existing sources-4/11/05	Y	
63.1563(e)	Notification requirements	Y	
63.1568	What are my requirements for HAP emissions from sulfur recovery units?	Y	
63.1568(a)	Emission limitations and work practice standards	Y	
63.1568(a)(1)	Sulfur Emission Limitation from Claus sulfur recovery units electing	Y	
(i)	to meet NSPS Limits: 250 ppmvd SO2 at 0% excess air. (Table 29, Item 2.a)		
63.1568(a)(3)	Prepare Operation, Maintenance, and Monitoring Plan and operate at all times according to the procedures in the plan	Y	
63.1568(b)	Demonstrate Initial Compliance with Emission Limitation and Work Practice Standard	Y	
63.1568(b)(1)	Continuous Emission Monitoring System to measure and record hourly average SO2 concentration, with O2 monitor to correct excess air concentration (Table 31, Item 2.a)	Y	
63.1568(b)(2)	Performance Test: measure SO2 concentration using CEMS every 15 minutes for 24 hours and reduce the data to 1-hr averages (Table 32, Item 1)	Y	
63.1568(b)(5)	Demonstrate Initial Compliance with Emission Limitation: Average SO2 emissions measured by CEMS in initial performance test not greater than 250 ppmvd at 0% excess O2, and monitoring system meets applicable requirements (Table 33, Item 2.a)	Y	
63.1568(b)(6)	Demonstrate initial compliance by submitting Operation, Maintenance, and Monitoring Plan	Y	
63.1568(b)(7)	Submit Notice of Compliance Status	Y	
63.1568(c)	Demonstrate Continuous Compliance with Emission Limitation and Work Practice Standards	Y	
63.1568(c)(1)	Demonstrate Continuous Compliance with Emission Limitation:	Y	

collect hourly average belo concentration limitation (Tournament) 63.1568(c)(2) Demonstrate by complying Monitoring Fermion (Solution of the College (Solution of the Coll	of Requirement y average SO2 monitoring data; maintain hourly w applicable limit; determine and record each 12-hour n; report 12-hour concentration greater than applicable able 34, Item 2.a) Continuous Compliance with Work Practice Standards g with the procedures in Operation, Maintenance, and Plan. general requirements for complying with this subpart? compliance with non-opacity standards at all times except als of startup, shutdown, and malfunction, as specified in maintain source including pollution control and quipment in accordance with 63.6(e)(1). Between	Y Y Y	Date
average beloconcentration limitation (Total Concentration (Total Conce	w applicable limit; determine and record each 12-hour a; report 12-hour concentration greater than applicable able 34, Item 2.a) Continuous Compliance with Work Practice Standards awith the procedures in Operation, Maintenance, and Plan. general requirements for complying with this subpart? In purpliance with non-opacity standards at all times except als of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y Y	
concentration limitation (Ti 63.1568(c)(2) Demonstrate by complying Monitoring I 63.1570 What are my 63.1570(a) Operate in conducting period	n; report 12-hour concentration greater than applicable able 34, Item 2.a) Continuous Compliance with Work Practice Standards g with the procedures in Operation, Maintenance, and Plan. general requirements for complying with this subpart? In purpliance with non-opacity standards at all times except als of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y Y	
limitation (To 63.1568(c)(2) Demonstrate by complying Monitoring F 63.1570 What are my 63.1570(a) Operate in conduring period	Continuous Compliance with Work Practice Standards g with the procedures in Operation, Maintenance, and Plan. general requirements for complying with this subpart? compliance with non-opacity standards at all times except ds of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y Y	
63.1568(c)(2) Demonstrate by complying Monitoring I 63.1570 What are my 63.1570(a) Operate in conduring period	Continuous Compliance with Work Practice Standards g with the procedures in Operation, Maintenance, and Plan. general requirements for complying with this subpart? ompliance with non-opacity standards at all times except ds of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y Y	
by complying Monitoring F 63.1570 What are my 63.1570(a) Operate in conduring period	g with the procedures in Operation, Maintenance, and Plan. general requirements for complying with this subpart? ompliance with non-opacity standards at all times except als of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y Y	
Monitoring F 63.1570 What are my 63.1570(a) Operate in co- during period	Plan. general requirements for complying with this subpart? ompliance with non-opacity standards at all times except ds of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y	
63.1570 What are my 63.1570(a) Operate in co	general requirements for complying with this subpart? Impliance with non-opacity standards at all times except als of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y	
63.1570(a) Operate in co	ompliance with non-opacity standards at all times except is of startup, shutdown, and malfunction, as specified in maintain source including pollution control and	Y	
during period	ds of startup, shutdown, and malfunction, as specified in maintain source including pollution control and		
	maintain source including pollution control and	Y	
63.6(f)(1)		Y	
		Y	
63.1570(c) Operate and	quipment in accordance with 63.6(e)(1). Between		Ī
monitoring e			
4/11/05 and	the date continuous monitoring systems are installed		
and validated	and operating limits have been set, maintain a log		
detailing ope	ration and maintenance of process and equipment.		
63.1570(d) Develop and	implement startup, shutdown, and malfunction plan	Y	
(SSMP) in ac	ecordance with 63.6(e)(3)		
63.1570(e) Operate in ac	cordance with SSMPP during periods of startup,	Y	
shutdown, ar	d malfunction		
63.1570(f) Report devia	tions from compliance with this subpart according to	Y	
the requirem	ents of 63.1575		
63.1570(g) Deviations th	at occur during startup, shutdown, or malfunction are	Y	
not violation	s if operating in accordance with SSMP		
63.1571 How and wh	en do I conduct a performance test or other initial	Y	
compliance of	lemonstration?		
63.1571(a) Conduct Peri	Formance Test and submit results no later than 150 days	Y	
after complia	-		
	limitation or work practice standard where compliance	Y	
	ated using performance test, opacity observation, or		
	ion observation, conduct initial compliance		
	n within 30 days after compliance date		
	s for Performance Tests	Y	
	formance tests in accordance with the requirements of	Y	
63.7(e)(1)			

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1571(b)(2)	Conduct three separate test runs of at least an hour for each performance test	Y	
63.1571(b)(3	Conduct each performance evaluation in accordance with the requirements of 63.8(e)	Y	
63.1571(b)(4)	Performance tests not conducted during periods of startup, shutdown, or malfunction	Y	
63.1571(b)(5)	Arithmetic average of emission rates	Y	
63.1572	What are my monitoring installation, operation, and maintenance requirements?	Y	
63.1572(a)	Requirements for installation, operation, and maintenance of continuous emission monitoring system	Y	
63.1572(a)(1)	SO2 CEMS must meet requirements of Performance Specification 2 (40 CFR Part 60, App B) (Table 40, Item 4)	Y	
63.1572(a)(2)	Conduct performance evaluation for SO2 CEMS according to Performance Specification 2 (Table 40, Item 4)	Y	
63.1572(a)(3)	CEMS must complete one cycle of operation for each 15-minute period	Y	
63.1572(a)(4)	Data reduction per 63.8(g)(2)	Y	
63.1572(d)	Data monitoring and collection requirements	Y	
63.1572(d)(1)	Conduct monitoring at all times, except for monitoring malfunctions, repairs, and QA/QC activities	Y	
63.1572(d)(2)	Data recorded during monitoring malfunctions, repairs, and QA/QC activities not used for compliance purposes	Y	
63.1573	What are my monitoring alternatives?	Y	
63.1573(d)	Monitoring for alternative parameters (optional)	Y	
63.1573(e)	Alternative Monitoring Requests (optional)	Y	
63.1574	What notifications must I submit and when?	Y	
63.1574(a)	Notifications Required by Subpart A	Y	
63.1574(a)(1)	Notifications of reconstruction	Y	
63.1574(a)(2)	Submit notification of intent to conduct performance test 30 days before scheduled (instead of 60 days)	Y	
63.1574(a)(3)	Notification of Compliance Status	Y	
63.1574(a)(3) (ii)	Submit Notification of Compliance Status for initial compliance demonstration that includes a performance test, no later than 150 days after source compliance date	Y	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1574(d)	Information to be Submitted in Notice of Compliance Status (Table	Y	
	42): identification of affected sources and emission points (Item 1);		
	initial compliance demonstration (Item 2); continuous compliance		
	(Item 3)		
63.1574(f)	Requirement to prepare Operation, Maintenance, and Monitoring	Y	
	Plan		
63.1574(f)(1)	Submit plan to permitting authority for review and approval along	Y	
	with notification of compliance status. Include duty to prepare and		
	implement plan into Part 70 or 71 permit.		
63.1574(f)(2)	Minimum contents of Operation, Maintenance, and Monitoring Plan	Y	
63.1574(f)(2)	Procedures for monitoring emissions and process and control device	Y	
(ii)	operating parameters for each affected source.		
63.1574(f)(2)	Monitoring schedule	Y	
(vii)			
63.1574(f)(2)	Quality control plan for continuous emission monitor	Y	
(ix)			
63.1574(f)(2)	Maintenance schedule for monitoring systems and control devices	Y	
(x)			
63.1575	What reports must I submit and when?	Y	
63.1575(a)	Required reports: Statement that there were no deviations or report	Y	
	including information in 1575(d) or (e) (Table 43, Item 1) on a		
	semi-annual basis		
63.1575(b)	Specified semiannual report submittal dates	Y	
63.1575(c)	Information required in compliance report	Y	
63.1575(d)	Information required for deviations from emission limitations and	Y	
	work practice standards where CEMS or COMS is not used to		
	comply with emission limitation or work practice standard		
63.1575(e)	Information required for deviations from emission limitations and	Y	
	work practice standards where CEMS or COMS is used to comply		
	with emission limitation or work practice standard		
63.1575(f)	Additional information for compliance reports	Y	
63.1575(f)(1)	Requirement to submit performance test reports	Y	
63.1575(f)(2)	Submittal of requested change in the applicability of an emission	Y	
	standard		
63.1575(g)	Submittal of reports required by other regulations in place of or as	Y	

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

	5405, MOLTEN SULFUR PIT; STUTU – U255 SULFUR	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	part of compliance report if they contain the required information		
63.1575(h)	Reporting requirements for startups, shutdowns, and malfunctions	Y	
63.1576	What records must I keep, in what form, and for how long?	Y	
63.1576(a)	Required Records – General	Y	
63.1576(b)	Records for CEMs	Y	
63.1576(b)(1)	Records described in §63.10(b)(2)(vi) through (xi).	Y	
63.1576(b)(3)	Previous (i.e., superceded) versions of the performance evaluation	Y	
	plan as required in §63.8(d)(3).		
63.1576(b)(4)	Requests for alternatives to the relative accuracy test for continuous	Y	
	emission monitoring systems as required in \$63.8(f)(6)(i).		
63.1576(b)(5)	Records of the date and time that each deviation started and stopped,	Y	
	and whether the deviation occurred during a period of startup,		
	shutdown, or malfunction or during another period.		
63.1576(d)	Records required by Tables 34 and 35 of Subpart UUU	Y	
63.1576(e)	Maintain copy of operation, maintenance, and monitoring plan	Y	
63.1576(f)	Records of changes that affect emission control system performance	Y	
63.1576(g)	Records in a form suitable and readily available for review	Y	
63.1576(h)	Maintain records for 5 years	Y	
63.1576(i)	Records onsite for 2 years; may be maintained offsite for remaining	Y	
	3 years		
40 CFR 64	Compliance Assurance Monitoring (10/27/97)	Y	
64.2(a)	General Applicability	Y	
64.3	Monitoring design criteria	Y	
64.3(a)(1)	One or more indicators or emissions	Y	
64.3(a)(2)	Appropriate range	Y	
64.3(a)(3)(i)	Indicator based on a single minimum value (for temperature	Y	
	monitoring)		
64.3(b)	Performance criteria	Y	
64.3(b)(1)	Requirement for specifications that provide for obtaining data that	Y	
	are representative of the parameters (for temperature monitor)		
64.3(b)(1)	Requirement for specifications that provide for obtaining data that	Y	
	are representative of the emissions (for CO and SO2 CEMs, use		
	BAAQMD Manual of Procedures Volume V, approval from District		
	Source Test Group)		
64.3(b)(2)	Verification procedures	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
64.3(b)(3)	Quality assurance and control practices	Y	
64.3(b)(4)	Specifications for frequency	Y	
64.3(c)	Evaluation factors	Y	
64.3(d)	Special criteria for the use of continuous emission, opacity or predictive monitoring systems	Y	
64.4	Submittal Requirements	Y	
64.4(a)	Submittal information (applies to temperature monitor)	Y	
64.4(a)(1)	Indicators to be monitored (applies to temperature monitor)	Y	
64.4(a)(2)	Ranges or designated conditions (applies to temperature monitor)	Y	
64.4(a)(3)	Performance criteria (applies to temperature monitor)	Y	
64.4(b)	Presumptively acceptable monitoring (applies to CO and SO2 CEMs)	Y	
64.4(b)(2)	Use of CEMs (applies to CO and SO2 CEMs)	Y	
64.4(c)(1)	Verification during source tests	Y	
64.4(c)(2)	Documentation of no change to control device	Y	
64.4(d)	Submittal of test plan	Y	
64.4(e)	Implementation plan and schedule for installing, testing and performing	Y	
64.5	Deadlines for submittals	Y	
64.5(b)	Other pollutant-specific units	Y	
64.6	Approval of monitoring	Y	
64.6(b)	Conditions for approval	Y	
64.6(c)	Establishment of permit terms	Y	
64.6(d)	Enforceable schedule	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of monitoring	Y	
64.7(b)	Maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to exceedances or excursions	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.9	Reporting and recordkeeping requirements	Y	
64.10	Savings provisions	Y	

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

	S405, WIGHTEN BULF CRITIT, STOTO — C255 BULF CRI	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.4.b	Determination of compliance with Part A.2 [Cumulative increase,	Y	
	PSD, BAAQMD Regulation 2, Rule 5]		
Part A.4.b.i	Use of data from SO2 and CO CEMs	Y	
Part A.4.b.ii	Use of data from annual source tests for NOx and sulfuric acid mist	Y	
Part A.4.b.iii	Use of data from annual source tests for ammonia	N	
Part A.4.b.iv	Use of data from initial source tests for POC and PM10	Y	
Part A.5	Additional offsets and PSD analysis, if necessary [Offsets, PSD]	Y	
Part A.6	Annual PM10 limit for S45, S434, and S1010 at Facility A0016, and	Y	
	S2 and S3 at Facility B7419 [1-104, 2-2-304]		
Part B	Offset Report [2-1-403, 2-2-410]	Y	
BAAQMD			
Condition			
23125			
Part 1	Throughput limit [Cumulative Increase]	Y	
Part 3	Abatement requirement [Cumulative Increase]	Y	
Part 4	Control requirement for S503, S504, and S505 [Cumulative	Y	
	Increase, 2-1-305]		
Part 5	Pressure relief devices [8-28-302, BACT]	Y	
Part 6	Requirement for use of natural gas as supplemental fuel at	Y	
	incinerator [BACT]		
Part 7a	Concentration limit for SO2 [BACT]	Y	
Part 7b	Concentration limit for CO [BACT]	Y	
Part 7c	Concentration limit for NOx [BACT]	Y	
Part 8a	Concentration limit for NH3 [Regulation 2, Rule 5]	N	
Part 8b	Concentration limit for H2S [Regulation 2, Rule 5]	N	
Part 9a	Hourly mass emission limit for NOx [2-1-305]	Y	
Part 9b	Hourly mass emission limit for H2S [Regulation 2, Rule 5]	N	
Part 9c	Hourly mass emission limit for NH3 [Regulation 2, Rule 5]	N	
Part 10a	Daily mass emission limit for sulfuric acid mist [PSD]	Y	
Part 10b	Daily mass emission limit for PM10 [2-1-301]	Y	
Part 11a	Annual mass emission limit for SO2 [BACT, Cumulative Increase]	Y	
Part 11b	Annual mass emission limit for NH3 [Regulation 2, Rule 5]	Y	
Part 11c	Annual mass emission limit for CO [BACT, Cumulative Increase]	Y	
Part 11d	Annual mass emission limit for NOx [BACT, Cumulative Increase]	Y	

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 25	Determination of compliance [Cumulative increase; Regulation 2,	Y	
	Rule 5; Cumulative Increase, PSD]		
Part 26	Visible emissions check [Basis: BAAQMD Regulations 6-1-301, 2-	Y	
	1-403]		
Part 27	Location and installation of temperature monitor [40 CFR	Y	
	64.3(b)(1)]		
Part 28	Verification procedures for temperature monitor [40 CFR	Y	
	64.3(b)(2)]		
Part 29	Quality assurance and control practices for temperature monitor [40	Y	
	CFR 64.3(b)(3)]		
Part 30	Frequency of temperature measurement, alternate H2S analysis [40	Y	
	CFR 64.3(b)(4)]		
Part 31	Determination of temperature exceedances [40 CFSR 64.6(c)(2)]	Y	

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

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

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

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
6-310.3	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Condition			
23125			
Part 2	Sulfur throughput at S503 [Cumulative increase]	Y	
Part 4	Control requirement for S503, S504, and S505 [Cumulative	Y	
	increase, 2-1-305]		
Part 24	Throughput records for S503 [Cumulative increase]	Y	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds - Process Vessel Depressurization		
Regulation 8,	(1/21/2004)		
Rule 10			
8-10-301	Depressurization Control Options	N	
8-10-302	Opening of Process Vessels	N	
8-10-302.1	organic compounds cannot exceed 10,000 ppm (methane) prior to	N	
	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 – V Source-specific Applicable Requirements \$370 – ISOMERIZATION UNIT 228

	SOTO ISOMEMENTION CIVIL 220	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP	Organic Compounds – Process Vessel Depressurization		
Regulation 8,	(10/03/84)		
Rule 10			
8-10-301	Process Vessel Depressurizing. POC emissions shall be vented	Y	
	through a knock-out pot and then abated in one of the following		
	ways, to as low a vessel pressure as possible, but at least until		
	pressure is reduced to less than 1000 mm Hg:		
8-10-301.1	recovery to the fuel gas system	Y	
8-10-301.2	combustion at a firebox or incinerator	Y	
8-10-301.3	combustion at a flare	Y	
8-10-301.4	containment such that emissions to atmosphere do not occur	Y	
8-10-401	Turnaround Records. The following records shall be kept for each	Y	
	process unit turnaround, and retained for at least 2 years and made		
	available to the District on demand during inspections:		
8-10-401.1	date of depressurization event	Y	
8-10-401.2	approximate vessel hydrocarbon concentration when emissions to	Y	
	atmosphere begin		
8-10-401.3	approximate quantity of POC emissions to atmosphere	Y	
BAAQMD			
Condition			
12121			
Part 1	Daily feed rate limit [Basis: Cumulative Increase]	Y	
Part 2	Daily feed rate records [Basis: Cumulative Increase]	Y	
BAAQMD	Throughput limits for S370 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

311

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

	Soot MellyMed embonolio (1 20-	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter, General Requirements (12/05/07)		
Regulation 6,			
Rule 1			
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations (process weight rate limitation)	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Condition			
18251			
Part 1a	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-	Y	
	441]		
Part 2b	Baghouse differential pressure monitoring requirement [Basis:	Y	
	Regulation 1-441]		
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation	Y	
	1-441]		
BAAQMD	Throughput limits for S380 [Basis: 2-1-234.3]	Y	
Condition			
20989, Part			
A			

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

	5567 – DIATOMACEOUS EARTH SILO (F-2)	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
District	Particulate Matter, General Requirements (12/05/07)	•	
Regulation 6,	•		
Rule 1			
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations (process weight rate limitation)	N	
6-1-401	Appearance of Emissions	N	
SIP	Particulate Matter and Visible Emissions (9/4/98)		
Regulation 6			
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations (process weight rate limitation)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Condition			
18251			
Part 1b	Abatement requirement [Basis: Regulation 2-1-234]	Y	
Part 2a	Differential pressure monitor requirement [Basis: Regulation 1-	Y	
	441]		
Part 2c	Baghouse differential pressure monitoring requirement [Basis:	Y	
	Regulation 1-441]		
Part 3	Differential pressure recordkeeping requirement [Basis: Regulation	Y	
	1-441]		
BAAQMD	Throughput limits for 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	
Condition			
20989, Part			
A			
BAAQMD			
Condition			
21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	
	Cumulative Increase, Toxic Management Policy]		

Table IV- AA
Fugitive Sources: Applicable Requirements

			8		• •	-				
Process Unit	BAAQMD Regulation 8, Rule 18	BAAQMD Regulation 8, Rule 28	NSPS Part 60, Subpart GGG; BAAQMD Regulation 10, Rule 59	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10, Rule 69	NSPS Part 60, Subpart VV; BAAQMD Regulation 10, Rule 52	NESHAPS Part 61, Subpart J	NESHAPS Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12	NESHAPS Part 61, Subpart V; BAAQMD Regulation 11, Rule 7	NESHAPS Part 63, Subpart H	NESHAPS Part 63, Subpart CC
Refinery-wide applicability	Y	Y	N	N	N	N	Y	N	N	Y
Specific unit applicability										
U240 Unicracking Unit (S307)	Y	Y	Y (GGGa)	N	(VVa)	N	N	N		Y
U244 Reforming Unit (S308)	Y	Y	N	N	N	N	N	N		Y
U248 UNISAR Unit (S309)	Y	Y	N	N	N	N	N	N		Y
U76 Gasoline/Mid Barrel Blending Unit (S318)	Y	N	N	N	Y	N	N	N		Y
Unit 233 (S338)	Y	Y	N	NA	NA	NA	NA	NA		NA
U80 Refined Oil Shipping Unit (S339)	Y	N	N	N	N	N	N	N		Y?
Unit 267 Crude Unit (S350)	Y	Y	N	N	Y	N	N	N		Y
Unit 228 Isomerization Unit (S370)	Y	Y	N	N	Y	N	N	N		Y
U215 Deiso- butanizer (S432)	Y	Y	N	N	N	N	N	N?		Y
U246 High Pressure Reactor Train	Y	Y	Y (GGGa)	N	Y	N	N	N?	Y	Y

315

Table IV- AA
Fugitive Sources: Applicable Requirements

						_				
Process Unit	BAAQMD Regulation 8, Rule 18	BAAQMD Regulation 8, Rule 28	NSPS Part 60, Subpart GGG; BAAQMD Regulation 10, Rule 59	NSPS Part 60, Subpart QQQ; BAAQMD Regulation 10, Rule 69	NSPS Part 60, Subpart VV; BAAQMD Regulation 10, Rule 52	NESHAPS Part 61, Subpart J	NESHAPS Part 61, Subpart FF; BAAQMD Regulation 11, Rule 12	NESHAPS Part 61, Subpart V; BAAQMD Regulation 11, Rule 7	NESHAPS Part 63, Subpart H	NESHAPS Part 63, Subpart CC
Hydrogen Manufacturing Unit (S437)	Y	Y	Y	N	Y	N	N	N		Y
Hydrogen Manufacturing Unit (S464)	Y	Y	N	N	N	N	N	N		Y
Unit 100 Wastewater plant (S324)	Y	Y	N	Y	N	N	Y	N		Y
Unit 100 Wastewater plant (S195, S196, S388)	Y	Y	N	N	N	N	N	N		Y
Unit 100 Wastewater plant (S1007)	Y	Y	N	N	N	N	Y	N		Y
Unit U235 Sulfur Recovery Unit (S1010)	Y	Y	N	N	N	N	N	N	Y	Y (equipment leaks but not vents)
S296, Flare	Y	Y	Y (GGG and GGGa, closed vent and control device reqs. only)	N	Y (VV and VVa, closed vent and control device reqs. only)	N	N	N	N	Y
S398, Flare	Y	Y	Y (GGG and GGGa, closed vent	N	Y (VV and VVa, closed vent and	N	N	N	N	Y

316

	Table IV- AA Fugitive Sources: Applicable Requirements										
Process Unit	BAAQMD	BAAQMD	NSPS	NSPS	NSPS	NESHAPS	NESHAPS	NESHAPS	NESHAPS	NESHAPS	
	Regulation	Regulation	Part 60,	Part 60,	Part 60,	Part 61,	Part 61,	Part 61,	Part 63,	Part 63,	
	8, Rule 18	8, Rule 28	Subpart	Subpart	Subpart	Subpart J	Subpart	Subpart	Subpart	Subpart	
			GGG;	QQQ;	VV;		FF;	V;	H	CC	
			BAAQMD	BAAQMD	BAAQMD		BAAQMD	BAAQMD			
			Regulation	Regulation	Regulation		Regulation	Regulation			
			10, Rule	10, Rule	10, Rule		11, Rule	11, Rule 7			
			59	69	52		12				
			and		control						
			control		device						
			device		reqs. only)						
			reqs. only)								
Fuel gas	Y	Y	Y (GGG	N	Y (VV and	N	N	N	N	Y	
recovesry			and		VVa)						
system			GGGa)								

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

	TED) Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds-Equipment Leaks (9/15/04)	(1/14)	Date
Regulation 8,	Organic Compounts-Equipment Leaks (7/13/04)		
Rule 18			
8-18-100	General/Applicability	N	
8-18-200	Definitions	N	
8-18-301	General Standard	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connections	N	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	N	
8-18-307	Liquid Leaks	Y	
8-18-308	Alternate compliance	Y	
8-18-401	Inspection	Y	
8-18-402	Identification	N	
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	N	
8-18-503	Reports	N	
8-18-602	Inspection Procedures	Y	
8-18-604	Determination of Mass Emissions	N	
SIP	Organic Compounds-Equipment Leaks (6/5/03)		
Regulation 8,			
Rule 18			
8-18-100	General/Applicability	Y	
8-18-200	Definitions	Y	
8-18-304	Connections	Y	
8-18-306	Non-repairable equipment	Y	
8-18-402	Identification	Y	
8-18-502	Records	Y	
8-18-604	Determination of Mass Emissions	Y	

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
BAAQMD	Episodic Releases From Pressure Relief Devices at Petroleum		
Regulation 8,	Refineries and Chemical Plants (12/21/05)		
Rule 28			
8-28-100	General/Applicability	N	
8-28-200	Definitions	N	
8-28-302	Applies to S307, S308, S318, S432, S434, and S1010	N	
	Pressure Relief Devices at New or Modified Sources at Petroleum		
	Refineries		
8-28-303	Applies to other Pressure Relief Devices per Section 8-28-100	N	
	except those at S307, S308, S318, S432, S434, and S1010		
	Pressure Relief Devices at Existing Sources at Petroleum Refineries		
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	N	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	N	
8-28-402	Inspection	N	
8-28-404	Identification	N	
8-28-405	Process Safety Requirements	N	
8-28-406	Monitoring System Demonstration Report	Y	
8-28-407	Process Unit Identification Report	Y	
8-28-502	Records	Y	
8-28-503	Monitoring	Y	
SIP	Episodic Releases From Pressure Relief Devices at Petroleum		
Regulation 8,	Refineries and Chemical Plants (5/24/04)		
Rule 28			
8-28-100	General/Applicability	Y	
8-28-200	Definitions	Y	
8-28-302	Applies to S307, S308, S318, S432, S434, and S1010	Y	
	Pressure Relief Devices at New or Modified Sources at Petroleum		
	Refineries		
8-28-303	Pressure Relief Devices at Existing Sources at Petroleum Refineries	Y	
8-28-304	Repeat Releases - Pressure Relief Devices at Petroleum Refineries	Y	
8-28-401	Reporting at Petroleum Refineries and Chemical Plants	Y	
8-28-402	Inspection	Y	
8-28-403	Records	Y	
8-28-404	Identification	Y	
8-28-405	Prevention Measures Procedures	Y	

	COM ONE THE CITE WILL ENGLISH THE TO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS, Subpart			
VV, applies to the			
S350 crude unit,			
S370			
isomerization			
unit, S437			
hydrogen plant			
40 CFR 60,	Standards of Performance for Equipment Leaks (Fugitive	Y	
Subpart VV;	Emission Sources) (11/16/07);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-52	(12/20/95)		
60.480	Applicability and designation of affected facility	Y	
60.481	Definitions	Y	
60.482-1	Standards: General	Y	
60.482-2	Standards: Pumps in light liquid service	Y	
60.482-2(a)(1)	Monthly monitoring of each pump, except for 60.482-1(c),	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	
60.482-3	Standards: Compressors	Y	
60.482-4	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4(c)	Leakage routed to control device	Y	
60.482-5	Standards: Sampling connecting systems	Y	
60.482-6	Standards: Open-ended valves or lines	Y	
60.482-7	Standards: Valves in gas/vapor service and in light liquid service	Y	
60.482-7(a)-(c)	Monitor monthly unless 2 successive months <10,000 ppm, then	Y	
	monitor first month of each quarter. If leak >10,000 ppm is detected,		
	resume monthly monitoring		
60.482-7(d)	Valve leak repair period	Y	
60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y	

	COMPONENTS (FACILITY-WIDE EXCEPT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	Standards: Pumps and valves in heavy liquid service, pressure relief	Y	
	devices in light liquid or heavy liquid service, and connectors		
60.482-9	Standards: Delay in repair	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(c)	Delay of repair for valves is only allowed under certain circumstances	Y	
60.482-9(d)(1)	Only dual-mechanical seal pumps qualify for delay of repair	Y	
60.482-9(d)(2)	Pump leaks must be repaired within 6 months	Y	
1 1 1 1	Deleted because repeated		
	(moved up four lines)		
60.482-10	Standards: Closed vent systems and control devices	Y	
60.483-1,	Alternative standards for valvesallowable percentage of valves	Y	
60.483-2, and	leaking and Alternative standards for valvesskip period leak		
BAAQMD	detection and repair		
8-18-404.1	If a process unit has 5 consecutive quarters with <2% of valves		
	leaking at >10,000 ppm, then any individual valve which measures		
	<100 ppm for 5 consecutive quarters may be monitored annually		
60.485	Test Methods and Procedures	Y	
60.486	Recordkeeping Requirements	Y	
60.487	Reporting Requirements	Y	
NSPS Part 60	Applies to S307 and S434, Craking	Y	
Subpart VVa;	Standards of Performance for Equipment Leaks of VOC in the		
BAAQMD	Synthetic Organic Chemicals Manufacturing Industry for Which		
Regulation 10-52	Construction, Reconstruction, or Modification Commenced After		
	November 7, 2006 (11/16/07); BAAQMD Standards of		
	Performance for New Stationary Sources (12/20/95) (Applies to		
	equipment in VOC service)		
60.480a	Applicability and designation of affected facility	Y	
60.481a	Definitions	Y	
	Equipment: each valve, pump, pressure relief device, sampling	Y	
	connection system, open-ended valve or line, and flange or other		
	connector in VOC service. For the purposes of recordkeeping and		
	reporting only, compressors are considered equipment.		
60.482-1a	Standards: General	Y	

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.482-2a	Standards: Pumps in light liquid service	Y	
60.482-2a(a)(1)	Monthly monitoring of each pump, except for 60.482-1a(c) and (f),	Y	
	60.482-2(d), (e), or (f)		
60.482-2a(a)(2)	Weekly visual inspection of each pump, except for 60.482-1a(f)	Y	
60.482-2a(b)(1)	Air measurement >2,000 ppm or dripping liquid indicates leak	Y	
60.482-2a(b)(2)	Procedure for liquid drips		
60.482-2a(c)	Pump leak repair period	Y	
60.482-2a(d)	Requirements for Dual-Mechanical seal pump	Y	
60.482-2a(e)	No detectable emission designation: <500 ppm	Y	
60.482-2a(f)	Requirements for Closed Vent Systems	Y	
60.482-2a(g)	Unsafe to monitor pumps	Y	
60.482-3a	Standards: Compressors	Y	
60.482-4a	Standards: Pressure Relief Devices in gas/vapor service	Y	
60.482-4a(c)	Exemption from 60.482-4a(a) and (b) for pressure relief devices	Y	
	routed to a fuel gas system		
60.482-5a	Standards: Sampling connecting systems	Y	
60.482-6a	Standards: Open-ended valves or lines	Y	
60.482-7a	Standards: Valves in gas/vapor service and in light liquid service	Y	
60.482-7a(a)(1)	Monthly monitoring of valves	Y	
60.482-7a(b)	Leak standard > 500 ppm	Y	
60.482-7a(c)	Reduction in monitoring frequency	Y	
60.482-7a(d)	Valve leak repair period	Y	
60.482-7a(e)	Methods for first attempts or minimizing valve leaks	Y	
60.482-7a(f)	Designated no-emissions (<500 ppm) valves with no external	Y	
	actuating mechanisms in contact with process fluid, may revert to		
	annual monitoring, or that requested by the Administrator		
60.482-8a	Standards: Pumps, valves, and connectors in heavy liquid service and	Y	
	pressure relief devices in light liquid or heavy liquid service (per 40		
	CFR 60, Subpart GGGa, Section 60.593a(g), standard applies to all		
	connectors, not just those in heavy liquid service)		
60.482-9a	Standards: Delay of repair	Y	
60.483-1a	Alternative standards for valvesallowable percentage of valves	Y	
	leaking (must notify EPA administrator and BAAQMD)		
60.483-2a	Alternative standards for valvesskip period leak detection and repair	Y	
	(must notify EPA administrator and BAAQMD)		

	COMI ONENTS (PACIEITI-WIDE EACEITAS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.485a	Test Methods and Procedures	Y	
60.486a	Recordkeeping Requirements	Y	
60.487a	Reporting Requirements	Y	
NSPS, Subpart	reporting requirements	-	
GGG, applies to			
the S350 crude			
unit, S370			
isomerization			
unit, S437			
hydrogen plant			
40 CFR 60,	Standards of Performance for Equipment Leaks (Fugitive		
Subpart GGG;	Emission Sources) (11/16/07);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-59	(4/19/89)		
60.590	Applicability	Y	
60.591	Definitions	Y	
60.592	Subject to provisions of Part 60, Subpart VV	Y	
60.593	Exceptions	Y	
NSPS Part 60	Standards of Performance for Equipment Leaks of VOC in		
Subpart GGGa;	Petroleum Refineries for Which Construction, Reconstruction, or		
BAAQMD	Modification Commenced After November 7, 2006 (11/16/07);		
Regulation 10-59	BAAQMD Standards of Performance for New Stationary Sources		
(Applies to S307	(4/19/89)		
and S434, Cracking Units)			
60.590a	Applicability	Y	
60.591a	Definitions	Y	
60.592a	Subject to provisions of Part 60, Subpart VVa	Y	
60.593a	Exceptions	Y	
60.593a(a)	Compliance with exceptions	Y	
60.593a(b)(1)	Compressors in hydrogen service	Y	
60.593a(g)	Connectors in gas/vapor or light liquid service exempt if	Y	
00.0704(g)	owner/operator complies with 40 CFR 60.482-8a for all connectors	1	
BAAQMD	Incorporates by reference 40 CFR 60, Subpart GGG	Y	
Regulation 10-59		•	

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
NSPS, Subpart			
QQQ, applies to			
the S324 Oil-			
water separator			
unit.			
40 CFR 60,	Standards of Performance for VOC Emission From Petroleum		
Subpart QQQ;	Refinery Wastewater Systems (10/17/00);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-69	(12/20/95)		
60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	
40 CFR 61,	National Emission Standard for Benzene Waste Operations		
Subpart FF;	(12/4/03);		
BAAQMD	BAAQMD National Emission Standard for Benzene Emissions		
Regulation 11,	from Benzene Transfer Operations and Benzene Waste		
Rule 12	Operations (7/18/90)		
	Subpart FF citations below are applicable only to equipment whose		
	benzene quantity for 61.342(e)(2) is calculated per 61.355(k)(2) as		
	controlled.		
40 CFR	Containers: no detectable emissions	Y	
61.345(a)(1)(i)			
40 CFR 61.345(b)	Containers: Visual inspection	Y	
40 CFR 61.345(c)	Containers: Repair within 15 days	Y	
40 CFR	Individual drain systems: no detectable emissions	Y	
61.346(a)(1)(i)(A)			
40 CFR	Individual drain systems: Visual inspection	Y	
61.346(a)(2)			
40 CFR	Individual drain systems: Repair within 15 days	Y	
61.346(a)(3)			

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

	COMI ONEMIS (FACILITI-WIDE EACEIT AS NO	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Oil-water separators: no detectable emissions	Y	
61.347(a)(1)			
(i)			
40 CFR 61.347(b)	Oil-water separators: Visual inspection	Y	
40 CFR 61.347(c)	Oil-water separators: Repair within 15 days	Y	
61.355(h)	Leak inspection procedures	Y	
61.356(g)	Recordkeeping Requirements: Visual inspection per 61.343 through 61.347	Y	
61.356(h)	Recordkeeping Requirements: No detectable emissions tests per 61.343 through 61.347, and 61.349	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants from	Y	
Subpart CC	Petroleum Refineries		
63.640(a)	Applicability	Y	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks.	Y	
63.641	Definitions	Y	
63.642(e)	Keep records for 5 years	Y	
63.648(a)	Equipment leak standards. Comply with 40 CFR 60, Subpart VV	Y	
63.648(b)	Use of monitoring data from prior to 8/18/95 to qualify for less	Y	
	stringent monitoring frequency		
63.648(d)	New sources	Y	
63.648(e)	Equipment leak standards – reciprocating pumps in heavy liquid service	Y	
63.648(f)	Equipment leak standards – reciprocating pumps in light liquid service	Y	
63.648(g)	Equipment leak standards – compressors in hydrogen service	Y	
63.648(h)	Keep records for 5 years	Y	
63.648(i)	Equipment leak standards – reciprocating compressors	Y	
63.655(d)	Record keeping and reporting	Y	
BAAQMD	APPLIES TO S304, S460 ONLY		
Condition 21099			
Part 1	Light hydrocarbon control valve requirements [Basis: BACT]	Y	
Part 2	Light hydrocarbon flange/connector requirements [Basis: BACT]	Y	
Part 3	Centrifugal compressor requirements [Basis: BACT]	Y	
Part 4	Light hydrocarbon centrifugal pump requirements [Basis: BACT]	Y	
Part 5	Monitoring and repair program requirement [Basis: BACT]	Y	

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
Part 6	ULSD project component count report requirement [Basis: BACT,	Y	
	Cumulative Increase, Toxic Management Policy]		
BAAQMD	APPLIES TO COMPONENTS INSTALLED FOR CFEP		
Condition #23725	PROJECT		
Part 1	Fugitive Equipment	Y	
Part 1a	Specifications for valves in light hydrocarbon service [BACT]	Y	
Part 1b	100 ppm leak standard for valves [BACT, Regulation 8, Rule 18]	Y	
Part 1c	Specification for flanges and connectors [BACT]	Y	
Part 1d	Specifications for compressors [BACT]	Y	
Part 1e	100 ppm leak standard for pumps and compressors [BACT]	Y	
Part 1f	Specifications for pumps [BACT]	Y	
Part 1g	Identification of pumps and compressors with unique permanent	Y	
	identification code [Cumulative increase, BACT]		
Part 2	Component count every 180 days after startup until completion	Y	
	[Cumulative increase, Offsets, Regulation 2, Rule 5]		
Part 3	Calculations of CFEP fugitive emissions [Cumulative increase,	Y	
	BACT, Offsets]		
Part 4	Inspection Frequency	Y	

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

	5433 (F224-WOSC)		ъ.
Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
_	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD	Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04)		
Regulation 8, 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	N	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-304	Standards: Sludge-dewatering Unit	N	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	N	
8-8-603	Manual of Procedures: Inspection Procedures	N	
SIP	Wastewater (Oil-Water) Separator (8/29/94)		
Regulation 8,			
Rule 8			
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		
8-8-304	Standards: Sludge-dewatering Unit	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After July 23, 1984 (10/15/2003)		
	REQUIREMENTS FOR RECORDKEEPING ONLY		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
60.110b(b)	Applicability and Designation of Affected Facility – Exemption for low	Y	
	vapor pressure; NSPS Kb does not apply to vessels with capacity > 151		
	cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <=		
60 1101 ()	151 cu m and TVP < 15.0 kPa	7.7	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for	Y	
60.11617	storage vessels > or = to 75 cu m	37	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
60.116b(g)	Monitoring of Operations; Exemption from 40 CFR 60.116b(c) and 40 CFR 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (6/23/03) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 7353	APPLICABLE TO S433		
Part 1	Requirement to vent tank to fuel gas system [Basis: Cumulative Increase]	Y	
Part 2	Valve, pump design requirements [Basis: Cumulative Increase]	Y	
Part 3	Limitation on material stored [Basis: Cumulative Increase]	Y	
Part 4	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 5	Weekly throughput records [Basis: Recordkeeping]	Y	
BAAQMD			
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT		

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

Applicable Requirement	Regulation Title or	Federally Enforceable	Future Effective
	Description of Requirement	(Y/N) Y	Date
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63,	SOCMI HON G (01/27/1995)		
Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
63.119(a)(3)	storage vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 40 CFR 63.123(a)	Y	
63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
()	only required to keep tank dimensions and capacity analysis. Retain for life of source.		
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (8/18/95)		
	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 22963			
Part 1c	Vapor pressure limit for S118 [Basis: cumulative increase]	Y	
Part 2c	Annual throughput limit for S118 [Basis: cumulative increase]	Y	

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

9174 (TAIN 300)				
		Federally	Future	
Applicable	Regulation Title or	Enforceable	Effective	
Requirement	Description of Requirement	(Y/N)	Date	
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)			
Regulation 8,	EXEMPT			
Rule 5				
8-5-117	Limited Exemption, Low Vapor Pressure	N		
SIP Regulation 8,	Organic Compounds, Storage of Organic Liquids (06/05/03)			
Rule 5	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	Throughput limit for source S194 [Basis: 2-1-234.3]	N		
Condition 20989,				
Part A				

Table IV – BB.4 Source-Specific Applicable Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS S173 (TANK 280), S174, (TANK 281),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Tanks S173 and S	S174 will be subject to the requirements in Table IV-BB.21 until they are co	ontrolled by A7	, Odor
Abatement System	n. S173 and S174 will be subject to the requirements in Table IV-4 when on	controlled by A	7.
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	Y	
SIP Regulation 8,	Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT		
Rule 5			
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/03) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL		
	GAS		

Table IV – BB.4 Source-Specific Applicable Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS S173 (TANK 280), S174, (TANK 281),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.640(c)(2)	Applies to S173 and S174: Applicability and Designation of Storage Vessels	Y	
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources [Basis: 2-1-234.3]	N	
BAAQMD Condition 23724	Applies to S173 and S174		
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	When blan- keting is required to preserve product or feed
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	•
Part 3	Requirement for pressure monitoring device for S173 and S174 by 7/5/09. [2-1-403]	Y	7/5/09
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	7/5/09
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

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

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

Applicable	Developing Title on	Federally	Future
Requirement	Regulation Title or Description of Requirement	Enforceable	Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT	(Y/N)	Date
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/03) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
BAAQMD Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04) REQUIREMENTS FOR SLUDGE DEWATERING UNITS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	N	
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-504	Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-602	Manual of Procedures: Determination of Emissions	N	
8-8-603	Manual of Procedures: Inspection Procedures	N	
SIP	Wastewater (Oil-Water) Separator (8/29/94)		
Regulation 8,			
Rule 8			
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-602	Manual of Procedures: Determination of Emissions	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (6/23/03) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S195, S196, S388 [Basis: 2-1-234.3]	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimize emissions and, if required, degas per 8-5-328		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self	N	
	report if out of compliance during exemption period		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of	N	
0-3-112.1	Tanks in Operation; Notification	11	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of	N	
0 0 112.2	Tanks in Operation; Tank in compliance at time of notification	1,	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; No product movement, Minimize emissions		
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Not to exceed 7 days		
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Self report if out of compliance during		
	exemption period		
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Keep records for each exemption		
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	Storage of Organic Liquids (06/05/2003)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks- > 151 cu m with maximum TVP >= 5.2 kPa and <76.6 kPa; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating roof option	Y	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
60.112b(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and Procedures; External floating roofroof or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	
60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subpart Kb		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y	
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(i)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(vi)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
BAAQMD Condition 12124	APPLICABLE TO S439		
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 Condition 12127	APPLICABLE TO S442		
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S444		
Condition 12129			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)	(1/11)	Date
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	N	
0 0 111.1	Notification	11	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank	N	
	in compliance at time of notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	N	
	Filling, emptying, refilling floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimize emissions and, if required, degas per 8-5-328		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self	N	
	report if out of compliance during exemption period		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation		
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Notification		
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Tank in compliance at time of notification		
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; No product movement, Minimize emissions		
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Not to exceed 7 days		
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Self report if out of compliance during		
	exemption period		
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Keep records for each exemption		
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S106)	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies only to S106)	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
	(applies only to S106)		
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

Applicable Requirement	Regulation Title or	Federally Enforceable	Future Effective
_	Description of Requirement	(Y/N)	Date
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

	5101 (TANK 104), 5102 (TANK 105), 5100 (TAN		Future
Applicable		Federally	
Requirement	Regulation Title or	Enforceable	Effective
-	Description of Requirement	(Y/N)	Date
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	N	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Relief Devices (applies only to	N	
	S106)		
8-5-403.1	Inspection Requirements for Pressure Relief Devices; Pressure	N	
	vacuum valves gas tight standards in 8-5-303 (applies only to S106)		
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test	N	
	Reports		
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks	N	
	selected for enhanced monitoring program		
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating	N	
	enhanced monitoring program		
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain	N	
0 0 00111	24 months	-,	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	N	
0 3 301.2	Replacement Records- Retain 10 years	11	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints (applies only to \$106)	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations		
		N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations;	N	
0.5.605.2	EPA method 21 Instruments	N.T.	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations;	N	
	Method 21 and tank degassing residual organic concentration		
CID D l . 4° 0	measurement method		
SIP Regulation 8,	Storage of Organic Liquids (06/05/2003)		
Rule 5	Limited Engaged on Tools Described and Determine	V	
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	
0.7.11.1.1	Notice to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.7.11.1.7	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		

Renewal Date: September 1, 2011

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (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, operation, and gas tight requirements (applies only to S106)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks; Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seal requirements Gaps for welded tanks	Y	

Renewal Date: September 1, 2011

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

	S101 (1ANK 104), S102 (1ANK 105), S100 (1A	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-322	Secondary seal requirements	Y	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; Gap for welded tanks with seal installed	Y	
6-3-322.3	after September 4, 1985		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; 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	Y	
0.5 401.1	and Secondary Seal Inspections	•	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
0.5.402	Fittings Inspections	***	
8-5-403	Inspection Requirements for Pressure Relief Devices (applies only to \$106)	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
0 3 301.2	Replacement Records – Retain 10 years	_	
8-5-503	Portable hydrocarbon detector	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to	Y	
	S106)	_	
BAAQMD	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(9/15/04)		
Rule 8	REQUIREMENTS FOR WASTEWATER SEPARATORS		
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9	N	
	Liters per second (300 gal per min)		
8-8-302.2	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals		
8-8-302.2.1	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals - liquid mounted primary seal gap criteria		
8-8-302.2.2	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	
	Liters per second (300 gal per min); Floating roof tank with double		
	seals – secondary and wiper seals gap criteria		

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

	5101 (1ANK 104), 5102 (1ANK 105), 5100 (1A		.
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-302.2.3	Standards: Wastewater Separators Larger than or Equal to 18.9	Y	Date
0-0-302.2.3	Liters per second (300 gal per min); Floating roof tank with double	1	
	seals – primary and secondary seal gap inspection		
8-8-303	Standards: Gauging and Sampling Devices	Y	
8-8-503	Monitoring and Records: Inspection and Repair Records	Y	
8-8-504	Monitoring and Records: Inspection and Repair Records Monitoring and Records: Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures: Inspection Procedures	N	
		111	
SIP	Wastewater (Oil-Water) Separator (8/29/94)		
Regulation 8,			
Rule 8			
8-8-302	Standards: Wastewater Separators Larger than or Equal to 18.9 Liters	Y	
	per second (300 gal per min)		
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile		
Subpart Kb	Organic Liquid Storage Vessels for Which Construction,		
Suspuit 115	Reconstruction, or Modification Commenced After July 23, 1984		
	(10/15/03)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
0011100(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984	_	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for	Y	
00.1120(a)	tanks-> 151 cu m with maximum TVP >=5.2 kPa and <76.6 kPa; or	•	
	>=75 cu m and <151 cu m with maximum TVP $>=27.6$ kPa and $<$		
	76.6 kPa		
60.112b(a)(2)	Standard for Volatile Organic Compounds (VOC); External floating	Y	
00.1120(a)(2)	roof option	1	
60.112b(a)(2)(i)	Standard for Volatile Organic Compounds (VOC); External floating	Y	
00.1120(a)(2)(1)	roof seal requirements	1	
60.112h(a)(2)(i)(A)	Standard for Volatile Organic Compounds (VOC); External floating	Y	
60.112b(a)(2)(i)(A)		ı	
(0.1101 ()(0)(')(D)	roof primary seal requirements	Y	
60.112b(a)(2)(i)(B)	Standard for Volatile Organic Compounds (VOC); External floating	Y	
(0.1101 () (0) (!!)	roof secondary seal requirements	***	
60.112b(a)(2)(ii)	Standard for Volatile Organic Compounds (VOC); External floating	Y	
(0.1101 () (0) ("")	roof openings requirements	***	
60.112b(a)(2)(iii)	Standard for Volatile Organic Compounds (VOC); External floating	Y	
	roof floating requirements		
60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement	Y	
	frequency		
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps	Y	
	measurement frequency		
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps	Y	
	measurement frequency		

Renewal Date: September 1, 2011

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of VOL	Y	
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement procedures	Y	
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps when roof is floating	Y	
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps around entire circumference	Y	
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to determine surface area of seal gaps	Y	
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate total surface area ratio	Y	
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair requirements	Y	
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap limitations	Y	
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe primary seal requirements	Y	
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no holes, tears, openings	Y	
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap limitations	Y	
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal installation	Y	
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no holes, tears, openings	Y	
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension request for seal gap repairs	Y	
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections 30 day notification	Y	
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection when emptied and degassed	Y	
60.113b(b)(6)(i)	Testing and Procedures; External floating roofroof or seal defect repairs	Y	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to filling	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating	Y	
60.115b(b)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof control equipment description and certification	Y	

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.115b(b)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement report – content requirements	Y	
60.115b(b)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap measurement records requirements	Y	
60.115b(b)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) external floating roof seal gap exceedance report	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or variable composition)	Y	
40 CFR 60, Subpart QQQ	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/2000)		
	REQUIREMENTS FOR STORAGE VESSELS ALSO SUBJECT TO NSPS, Subpart Kb		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(d)	Standards: Oil-Water Separators (includes storage vessels) – Overlap with Kb	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
40 CFR 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/04/2003)		
40 CFR 61.351(a)(2)	Alternative Standards for Tanks; External floating roof meeting the requirements of 40 CFR 60.112b(a)(2)	Y	
40 CFR 61.351(b)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt from 61.343	Y	

Table IV – BB.8 Source-Specific Applicable Requirements NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

	111111111111111111111111111111111111111		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 61.356(k)	Recordkeeping Requirements: Comply with recordkeeping requirements of 40 CFR 60.115b	Y	
40 CFR 61.357(f)	Reporting Requirements: : Comply with reporting requirements of 40 CFR 60.115b		
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Pollutants for Petroleum Refining (6/23/03) REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
63.640(c)(3)	Wastewater streams and treatment operations associated with petroleum refining process units meeting the criteria of section 63.640(a)	Y	
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.655(a)	Reporting and Recordkeeping Requirements: Wastewater – no reporting and recordkeeping requirements for wastewater except for Group 1 wastewater streams	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S101, S102, S106 [Basis: 2-1-234.3]	Y	

Amaliankla		Federally	Future
Applicable Requirement	Regulation Title or	Enforce- able	Effective
Kequitement	Description of Requirement	(Y/N)	Date
S448 will be subject to	to the requirements of Table IV-BB.9A when storing materials subject to	. ,	BAAQMD
8, Rule 5. S448 will b	e subject to the requirements of Table IV-BB.9B when storing materials	exempt from N	SPS Kb
and BAAAMD 8, Rul	e 5.		
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	N	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	N	
	Tank in compliance at time of notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	N	
	Filling, emptying, refilling floating roof tanks		

	S448 (TANK 1007)	Federally	
Applicable Requirement	Regulation Title or Description of Requirement	Enforce- able (Y/N)	Future Effective Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimize emissions and, if required, degas per 8-5-328		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self	N	
0.5.110	report if out of compliance during exemption period	3.7	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Tank in compliance at time of notification		
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-305	Requirements for Internal Floating Roof Tanks	N	
8-5-305.2	Requirements for Internal Floating roof tanks; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roof tanks; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roof tanks; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roof tanks; Floating roof requirements	N	
8-5-305.6	Requirements for Internal Floating roof tanks; Tank shell in good operating condition	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.3.2	Floatinf Roof Tank Fitting Requirements; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging	N	

	5446 (TANK 1007)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	wells		
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance	N	

	S448 (TANK 1007)	Fodovolly	
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	requirements		
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP-Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	Storage of Organic Liquids (06/05/2003)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	

	S448 (TANK 1007)				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date		
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y			
	minimization of emissions				
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y			
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y			
8-5-305	Requirements for Internal Floating roofs	Y			
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y			
	Tank fitting requirements; Floating roof tanks	Y			
8-5-320		Y			
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface				
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y			
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y			
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y			
8-5-321	Primary seal requirements	Y			
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y			
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y			
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y			
8-5-322	Secondary seal requirements	Y			
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y			
8-5-322.2	Secondary seal requirements; Insertion of probes	Y			
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93	Y			
8-5-322.6	Secondary seal requirements; Extent of seal	Y			
8-5-328	Tank degassing requirements	Y			
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y			
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y			
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y			
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y			
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y			
8-5-402.3	Inspection of Outer Wost Scal Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y			
8-5-404	Certification	Y			
8-5-405	Information required	Y			
8-5-501	Records	Y			
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y			

	5448 (TANK 1007)	E 1 11	
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	
8-5-503	Portable hydrocarbon detector	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)	Standard for Volatile Organic Compounds (VOC); Requirement for tanks- > 151 cu m with maximum TVP >= 5.2 kPa and <76.6; or >= 75 cu m and < 151 cu m with maximum TVP >= 27.6 kPa and < 76.6 kPa	Y	
60.112b(a)(1)	Standard for Volatile Organic Compounds (VOC); Fixed roof with internal floating roof option	Y	
60.112b(a)(1)(i)	Standard for Volatile Organic Compounds (VOC); Internal floating roof requirements	Y	
60.112b(a)(1)(ii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof seal requirements	Y	
60.112b(a)(1)(ii)(B)	Standard for Volatile Organic Compounds (VOC); Internal floating roof double seal option	Y	
60.112b(a)(1)(iii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings-projections below roof surface	Y	
60.112b(a)(1)(iv)	Standard for Volatile Organic Compounds (VOC); Internal floating roof openings covers	Y	
60.112b(a)(1)(v)	Standard for Volatile Organic Compounds (VOC); Internal floating roof automatic bleeder vents	Y	
60.112b(a)(1)(vi)	Standard for Volatile Organic Compounds (VOC); Internal floating roof rim space vents	Y	
60.112b(a)(1)(vii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof sampling penetrations	Y	
60.112b(a)(1)(viii)	Standard for Volatile Organic Compounds (VOC); Internal floating roof support column penetrations	Y	
60.112b(a)(1)(ix)	Standard for Volatile Organic Compounds (VOC); Internal floating roof ladder penetrations	Y	
60.113b(a)(1)	Testing and Procedures; Internal floating roof visual inspection before filling. Repair any defects found during inspection before filling.	Y	
60.113b(a)(2)	Testing and Procedures; Internal floating roof tanks with liquid mounted or mechanical shoe primary seal, annual visual inspection	Y	

S448 (TANK 1007)				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date	
	through manholes and hatches (if complying with 40 CFR			
	60.113b(a)(3)(ii))			
60.113b(a)(3)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements	Y		
60.113b(a)(3)(ii)	Testing and Procedures; Internal floating roof with double seal system, inspection requirements - visually inspect per 40 CFR 60.113b(a)(2) annually and per 40 CFR 60.113b(a)(4) every 10 years.	Y		
60.113b(a)(4)	Testing and Procedures; Internal floating roof inspection requirements each time tank is emptied and degassed (10 year intervals if complying with 40 CFR 60.113b(a)(3)(ii))	Y		
60.113b(a)(5)	Testing and Procedures; Internal floating roof, 30 day notification for filling after inspection	Y		
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y		
60.115b(a)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof tanks	Y		
60.115b(a)(1)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof control equipment description and certification	Y		
60.115b(a)(2)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof inspection records	Y		
60.115b(a)(3)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof annual inspection defects report	Y		
60.115b(a)(4)	Reporting and Recordkeeping Requirements; 60.112b(a) internal floating roof double seal system inspection defects report	Y		
60.116b(a)	Monitoring of Operations; Record retention	Y		
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y		
60.116b(c)	Monitoring of Operations; VOL storage record requirements	Y		
60.116b(e)	Monitoring of Operations; Determine TVP	Y		
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil and refined petroleum	Y		
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (6/23/03) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subpart Kb			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y		
63.640(n)(1)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Existing Group 1 or Group 2 also subject to Kb only subject to Kb and 63.640(n)(8).	Y		
63.640(n)(8)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y		
63.640(n)(8)(ii)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y		
63.640(n)(8)(iii)	Applicability and Designation of Affected Source Overlap for Storage	Y		

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

IV. Source Specific Applicable Requirements

Table IV – BB.9A Source-Specific Applicable Requirements NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK BUT WITH NSPS KB AND BAAQMD 8-5 FLEXIBILITY S448 (TANK 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	Vessels-Additional requirements for Kb storage vessels		
63.640(n)(8)(iv)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
63.640(n)(8)(v)	Applicability and Designation of Affected Source Overlap for Storage Vessels-Additional requirements for Kb storage vessels	Y	
BAAQMD Condition 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
Part 4	Alternate Operating Scenario	Y	
Part 4a	Log of the stored material [Basis: 40 CFR 70.6(a)(9), BAAQMD Regulation 2-6-409.7]	Y	
Part 4b	Notification requirement for refilling with Reg. 8-5- or NSPS Subpart Kb – regulated material	Y	
Part 4c	Inspection requirement prior to refilling with Reg. 8-5- or NSPS Subpart Kb – regulated material	Y	

Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
S448 will be subject	to the requirements of Table IV-BB.9A when storing materials subject to	NSPS Kb and I	BAAQMD	
8, Rule 5. S448 will b	be subject to the requirements of Table IV-BB.9B when storing materials	exempt from N	SPS Kb	
and BAAAMD 8, Ru	and BAAAMD 8, Rule 5.			
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)			
Regulation 8,	EXEMPT			
Rule 5				
8-5-117	Limited Exemption, Low Vapor Pressure	N		
SIP Regulation 8,	Organic Compounds, Storage of Organic Liquids (6/5/03)			
Rule 5	EXEMPT			
8-5-117	Exemption, Low Vapor Pressure	Y		

	5110 (TALKE 1007)		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic	, í	
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After July 23, 1984 (10/15/2003)		
	17001110111011 00111101 00111 12011 (10/20/2000)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	
	liquid storage vessels > or = to 40 cu m, after 7/23/1984		
60.110b(b)	Applicability and Designation of Affected Facility – Exemption for	Y	
	low vapor pressure; NSPS Kb does not apply to vessels with capacity		
	> 151 cu m and TVP < 3.5 kPa or to vessels with capacity $>= 75$ cu m		
	and <= 151 cu m and TVP < 15.0 kPa		
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/2003)		
_	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group	Y	
	determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method	Y	
. /、/	18 to resolve disputes		
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels – Keep records specified in 40 CFR 63.123		
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels – Data and assumptions used to determine Group 2		
	classification		
63.655(i)(5)	Reporting and Recordkeeping Requirements-RecordkeepingRecord	Y	
	retention – 5 years		
BAAQMD			
Condition 12133			
Part 1	Annual throughput limit [Basis: Cumulative Increase]	Y	
Part 2	Requirements for tank openings [Basis: Cumulative Increase]	Y	
Part 3	Monthly throughput records [Basis: Cumulative Increase]	Y	
Part 4	Alternate Operating Scenario	Y	
Part 4a	Log of the stored material [Basis: 40 CFR 70.6(a)(9), BAAQMD	Y	
D 41-	Regulation 2-6-409.7] Notification requirement for refilling with Reg. 8-5- or NSPS Subpart	Y	
Part 4b	Kb – regulated material	Y	
Part 4c	Inspection requirement prior to refilling with Reg. 8-5- or NSPS	Y	
ralt 40	Subpart Kb – regulated material	I	
BAAQMD	Suppart No – regulated material		
Condition 20773			
Condition 20773			

Table IV – BB.9B Source-Specific Applicable Requirements NSPS KB ZERO-GAP INTERNAL FLOATING ROOF TANK BUT WITH NSPS KB AND BAAQMD 8-5 FLEXIBILITY S448 (TANK 1007)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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.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 Enforce- able (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	

Renewal Date: September 1, 2011

Table IV – BB.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 Enforce- able (Y/N)	Future Effective Date
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
8-5-305	Requirements for Internal Floating Roof Tanks	N	
8-5-305.2	Requirements for Internal Floating roof tanks; Seals installed after 2/1/1993	Y	
8-5-305.3	Requirements for Internal Floating roof tanks; Viewports in fixed roof tank; not required if dome roof has translucent panels	Y	
8-5-305.4	Requirements for Internal Floating roof tanks; Tank fitting requirements	Y	
8-5-305.5	Requirements for Internal Floating roof tanks; Floating roof requirements	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.3.2	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids – Inaccessible openings on internal floating roof tanks	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	

Table IV – BB.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	Federally Enforce- able	Future Effective
	Description of Requirement	(Y/N)	Date
	mounted except as provided in 8-5-305.1.3		
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	
8-5-402.1	Inspection Requirements for Internal Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	N	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8,	Storage of Organic Liquids (06/05/2003)		
Rule 5		37	
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	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Floating roof tanks - continuous and quick filling, emptying and refilling	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, operation,	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	and gas tight requirements		
8-5-305	Requirements for Internal Floating roofs	Y	
8-5-305.5	Requirements for Internal Floating roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements; Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements; Floating roof tanks; Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements; Floating roof tanks; Gasketed covers, seals, lids	Y	
8-5-320.4	Tank fitting requirements; Floating roof tanks; Solid sampling or gauging wells	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seals requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seals requirements; Geometry of shoe	Y	
8-5-321.3.2	Primary seal requirements; Metallic shoe type seals requirements; Gaps for welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.5	Secondary seal requirements; Gaps for welded tanks with seals installed after 2/1/93 – note 2	Y	
8-5-322.6	Secondary seal requirements; Extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.2	Inspection Requirements for Internal Floating Roof Tanks; Visual Inspection of Outer Most Seal	Y	
8-5-402.3	Inspection Requirements for Internal Floating Roof Tanks; Tank Fitting Inspection	Y	
8-5-403	Inspection Requirements for Pressure Relief Devices	Y	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y	

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
requirement	Description of Requirement	(Y/N)	Date
8-5-503	Portable hydrocarbon detector	Y	2400
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 63,	SOCMI HON G (12/21/2006)	-	
Subpart G	REQUIREMENTS FOR INTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
63.119(b)	Storage Vessel Provisions Reference Control Technology— Internal floating roof	Y	
63.119(b)(1)	Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid	Y	
63.119(b)(1)(i)	Storage Vessel Provisions Reference Control Technology Internal floating roofMust float on liquid except during initial fill	Y	
63.119(b)(1)(ii)	Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except after completely emptied and degassed	Y	
63.119(b)(1)(iii)	Storage Vessel Provisions Reference Control Technology Internal floating roof Must float on liquid except when completely emptied before refilling	Y	
63.119(b)(2)	Storage Vessel Provisions Reference Control Technology Internal Floating Roof Operations, when not floating	Y	
63.119(b)(3)	Storage Vessel Provisions Reference Control Technology Internal floating roof – seals; must have at least one seal	Y	
63.119(b)(3)(i)	Storage Vessel Provisions Reference Control Technology Internal floating roof – seal option; single liquid-mounted seal	Y	
63.119(b)(3)(ii)	Storage Vessel Provisions Reference Control Technology Internal floating roof - seal option; single metallic shoe seal	Y	
63.119(b)(3)(iii)	Storage Vessel Provisions Reference Control Technology Internal floating roof - seal option; double seal, lower can be vapor mounted	Y	
63.119(b)(4)	Storage Vessel Provisions Reference Control Technology Internal floating roof – automatic bleeder valve requirements	Y	
63.120(a)	Storage Vessel Provisions Procedures to Determine Compliance- Compliance DemonstrationInternal floating roof	Y	
63.120(a)(1)	Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspection schedule	Y	
63.120(a)(3)	Storage Vessel Provisions Procedures to Determine Compliance— Internal FR tank inspections – tanks with double seals	Y	
63.120(a)(3)(ii)	Storage Vessel Provisions Procedures to Determine Compliance Internal FR tank inspections – tanks with double seals - annual	Y	

Applicable		Federally Enforce-	Future
Requirement	Regulation Title or	able	Effective
_	Description of Requirement	(Y/N)	Date
	visual inspection of IFR and secondary seal through manholes and		
	roof hatches. Also must comply with 63.120(a)(3)(iii) every time		
	emptied and degassed and every 10 years.		
63.120(a)(3)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Internal FR tank inspections – tanks with double seals - visually		
	inspect IFR and both seals each time emptied and degassed and at		
	least once every 10 years [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	63.646(e)]. Also must comply with annual visual inspection in		
	63.120(a)(3)(ii).		
63.120(a)(4)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	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.		
63.120(a)(5)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Internal FR and seal visual inspection each time emptied – 30 day		
	notification required for 10 year inspection (63.120(a)(3)(iii))		
63.120(a)(6)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR and seal visual inspection each time emptied —		
(2.120(.)(7)	Notification for unplanned	37	
63.120(a)(7)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	Internal FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per 63.646(e)]		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
03.123(a)	storage vessel dimensions and capacity. Keep for life of source.	1	
63.123(c)	Storage Vessel Provisions RecordkeepingGroup 1 Internal	Y	
03.123(0)	floating roof tank requirements - records of each tank inspection	1	
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
03.123(g)	emptying storage vessel – keep documentation specified	•	
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC CC	Petroleum Refineries (06/23/03)		
CC	REQUIREMENTS FOR INTERNAL FLOATING ROOF		
	TANKS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
` '` '	group determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
,	method 18 to resolve disputes		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
60 646(1)	vessels [IFRs exempt from 63.119(b)(5) and (b)(6)]	3.7	
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	1
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100 of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals.	Y	
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements- Covers or lids closed except when in use	Y	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements	Y	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements- Automatic bleeder vents requirements	Y	
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.655(f)(1)(i)(A) (1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
63.655(g)(2)	Periodic Reporting and Recordkeeping Requirements- internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment	Y	
63.655(g)(2)(i)	Periodic Reporting and Recordkeeping Requirements-internal floating roof tanks – submit results of each tank inspection where failure is detected in control equipment – annual inspection reports	Y	

	5120 (TANK 172), 5237 (TANK 1004), 5230 (TA	Federally	
Applicable		Enforce-	Future
Requirement	Regulation Title or	able	Effective
_	Description of Requirement	(Y/N)	Date
63.655(g)(2)(i)(A)	Periodic Reporting and Recordkeeping Requirements- internal	Y	
	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	definition of failure		
63.655(g)(2)(i)(B)	Periodic Reporting and Recordkeeping Requirements—internal	Y	
	floating roof tanks - submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	Periodic Report requirements		
63.655(g)(2)(i)(C)	Periodic Reporting and Recordkeeping Requirements—internal	Y	
	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – annual inspection report;		
	extension documentation		
63.655(g)(2)(ii)	Periodic Reporting and Recordkeeping Requirements- internal	Y	
	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report		
<2 <55 () (2) (!!) ())		***	
63.655(g)(2)(ii)(A)	Periodic Reporting and Recordkeeping Requirements- internal	Y	
	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report;		
(2 (55()(2)('')(D)	definition of failure	37	
63.655(g)(2)(ii)(B)	Periodic Reporting and Recordkeeping Requirements- internal	Y	
	floating roof tanks – submit results of each tank inspection where		
	failure is detected in control equipment – internal inspection report;		
63.655(h)(2)	Periodic report requirements Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
03.033(11)(2)	vessel notification of inspections.	1	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
03.033(11)(2)(1)	vessel notification of inspections – refilling Group 1 storage vessel.	1	
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
03.033(11)(2)(11)	vessel notification of inspections –Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
· / / / /	Determination of Applicability		
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels – keep records specified in 63.123 (Subpart G)		
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels– keep records specified in 63.123 (Subpart G) except		
	records related to gaskets, slotted membranes, and sleeve seals for		
	vessels in existing sources		
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	

Table IV – BB.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 Enforce- able (Y/N)	Future Effective Date
	storage vessels-Record retention – 5 years		
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.

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (7/9/08)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	\mathbf{Y}^{1}	
1-523.3	Reports of Violations	\mathbf{Y}^{1}	
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	N	

	5500 (TARK 257)	Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice	N	
	to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice	Y	
	to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	N	
	Compliance before notification		
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of	Y	
	vapor recovery		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimization of emissions		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
	in Operation		
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	N	
	prior notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	N	
	Telephone notification		
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification	N	
	before commencement of work		
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7	N	
	days		
8-5-112.6	Tank Records	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	N	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance,	N	
	operation		
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks, and Blanketed	N	
	Tanks		
8-5-307.1	Shell in good condition with no leakage	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration	N	
	of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	N	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	

	S500 (TANK 257)	Federally	E-4
Applicable	Regulation Title or	Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	
8-5-602	Analysis of Samples, True Vapor Pressure	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	N	
8-5-604	Determination of Applicability	N	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	N	
SIP	Organic Compounds, Storage of Organic Liquids (6/5/03)		
Regulation 8 Rule 5			
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-306	Requirements for Approved Emission Control Systems	Y	

Applicable	Regulation Title or	Federally Enforce- able	Future 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; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/2003) REQUIREMENTS FOR FIXED ROOF TANKS		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 60.485(b) (Subpart VV)	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating planefficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating planmonitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare)	Y	

	S506 (TANK 257)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/23/2003) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 11219	APPLICABLE TO S449		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 12130	APPLICABLE TO S445		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD Condition 20989, Part A	Throughput limit for source S360 [Basis: 2-1-234.3]	Y	
BAAQMD Condition 22518	APPLICABLE TO S135		
Part 1	Vapor pressure limit [Cumulative increase]	Y	
Part 3	Throughput limit [Cumulative increase]	Y	
Part 4	Control requirement [Cumulative increase]	Y	
Part 5	Prohibition on tank cleaning when switching products [Cumulative increase]	Y	
BAAQMD Condition 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S135 by 7/5/09. [2-1-	Y	

Table IV – BB.11 Source-Specific Applicable Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S135 (Tank 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285) S506 (TANK 257)

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

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use vapor recovery during filling and emptying tanks so equipped	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	

	S440 (TANK 310), S447 (TANK 311)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	2400
	in Operation; Notification	14	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
	in Operation; Tank in compliance at time of notification		
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
0 3 112.1	in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
	in Operation; Self report if out of compliance during exemption period	·	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
8-5-118	in Operation; Keep records for each exemption Limited Exemption, Gas Tight Requirement for approved emission	2.7	
0-3-110	control system in 8-5-306.2 does not apply if facility is subject to	N	
	BAAQMD 8-18		
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
8-5-306	Requirements for approved Emission Control System	N	
8-5-306.1	Requirements for approved Emission Control System; Abatement Efficiency >=95%	N	
8-5-307	Requirements for fixed roof tanks, pressure tanks and blanketed tanks	N	
8-5-307.1	Requirements for fixed roof tanks, pressure tanks and blanketed tanks; no liquid leakage through shell	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	

	5440 (TANK 510), 5447 (TANK 511)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	Date
8-5-501	Records		
8-5-501.1		N	
	Records; Type and amounts of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-502	Source Test Requirements and exemption for sources vented to fuel gas	N	
8-5-502.1	Source Test Requirements; Annual source test for approved emission control system and abatement devices for 8-5-303.2, 8-5-306.1, 8-5-307.3	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of Abatement Efficiency	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	Storage of Organic Liquids (06/05/2003)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	

	5440 (TANK 510), S447 (TANK 511)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
	_		
Requirement	Description of Requirement	(Y/N)	Date
0.5.111.5	Written notice of completion not required	***	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.112	Compliance with Section 8-5-328	Y	
8-5-112 8-5-112.1	Limited Exemption, Tanks in Operation		
	Limited Exemption, Tanks in Operation; Notice to the APCO	Y 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	
0.7.110.0	Telephone notification	***	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		
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	Y	
0 0 001	floating roof, or approved emission control system)	-	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, operation, and	Y	
	gas tight requirements		
8-5-306	Requirements for Approved Emission Control Systems	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Relief Devices	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	
8-3-301.1	months	1	
8-5-503	Portable hydrocarbon detector	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Source tests for approved emission control systems	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After July 23, 1984 (10/15/03)		
(0.110h/)	REQUIREMENTS FOR FIXED ROOF TANKS	17	
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic	Y	

	5440 (TANK 510), 5447 (TANK 511)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
	_		
Requirement	Description of Requirement	(Y/N)	Date
(0.1101 () (0)	liquid storage vessels > or = to 40 cu m, after 7/23/1984	***	
60.112b(a)(3)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device	Y	
60.112b(a)(3)(i)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device no detectable emissions per 60.485(b) (Subpart VV)	Y	
60.112b(a)(3)(ii)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device >= 95% inlet VOC emission reduction	Y	
60.112b(b)	Standard for Volatile Organic Compounds (VOC); Requirements for tanks >= 75 cu m and maximum TVP >= 76.6 kPa (11.1 psia)	Y	
60.112b(b)(1)	Standard for Volatile Organic Compounds (VOC); Closed vent system and control device option per 40 CFR60.112b(a)(3)	Y	
60.113b(c)	Testing and Procedures; Closed vent system and control device (not flare)	Y	
60.113b(c)(1)	Testing and Procedures; Closed vent system and control device (not flare) operating plan submission	Y	
60.113b(c)(1)(i)	Testing and Procedures; Closed vent system and control device (not flare) operating planefficiency demonstration	Y	
60.113b(c)(1)(ii)	Testing and Procedures; Closed vent system and control device (not flare) operating planmonitoring parameters	Y	
60.113b(c)(2)	Testing and Procedures; Closed vent system and control device (not flare) operate in accordance with operating plan	Y	
60.115b	Reporting and Recordkeeping Requirements; 60.112b(a) tanks; Record retention	Y	
60.115b(c)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare)	Y	
60.115b(c)(1)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating plan copy – Retain for life of control device	Y	
60.115b(c)(2)	Reporting and Recordkeeping Requirements; Closed vent system and control device (not flare) operating records – Retain for at least 2 years	Y	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(2)	Monitoring of Operations; Determine TVP-crude oil or refined petroleum products	Y	
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and 60.116b(d) for tanks with closed vent system and control device	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refineries (6/23/03)		
-	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	

Table IV – BB.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 Enforce- able (Y/N)	Future Effective Date
_		(1/14)	Date
BAAQMD Condition 12131	APPLICABLE TO S446		
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	
BAAQMD	APPLICABLE TO S447		
Condition 12132			
Part 1	Requirement to vent emissions to fuel gas system [Basis: Cumulative Increase]	Y	

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	N	
	Notification		

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	N	
	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		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation		
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	N	
	notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	N	
	notification		
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	N	
	start of work. Certified per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	N	
	Minimize emissions		
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	N	
8-5-112.6	Tank Records	N	
8-5-119	Limited Exemption, Repair Period (Applies to S122, S123, S124,	N	
	S128, S150, S151, S177, S254, S255, S256, S259)		
8-5-301	Storage Tank Control Requirements (internal floating roof, external	N	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S107	N	
	(Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168),		
	S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applies	N	
	only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123		
	(Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation,	N	
	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	

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

	December 1741	Federally Enforce-	Future Effective
Applicable	Regulation Title or	able	
Requirement 8-5-304.2	Description of Requirement	(Y/N) Y	Date
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	ĭ	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	N	
8-5-304.5	Requirements for External Floating Roofs; Shell in good condition	N	
8-5-304.6	Requirements for External Floating Roofs; tank pontoons	N	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	
6-3-320.2	liquid surface	1	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0 5 520.5	seals, lids	•	
8-5-320.3.1	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
0 0 020.0.1	seals, lids - Gap requirements	-	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements in floating roof tanks		
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements-projection below liquid surface		
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements-cover, seal, or lid		
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements-gap between well and roof		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-320.7	Tank Fitting Requirements; Pressure relief devices	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	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	

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

\$97 (TANK 100), \$98, (TANK 101), \$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),

2=0 - (=	TANK 1001), \$255 (TANK 1002), \$250 (TANK 1005), \$259	Federally	,
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-403	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))	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-405	Information Required	Y	
8-5-411	Enhanced Monitoring Program (Applies to list of tanks chosen by facility)_	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP – Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records – Retain 10 years	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
SIP Regulation 8 Rule 5	Organic Compounds, Storage of Organic Liquids (6/5/03)		

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

\$97 (Tank 100), \$98, (Tank 101), \$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),

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Tank in compliance prior to notification		
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, Preventative Maintenance and Inspection of	Y	
	Tanks in Operation		
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	Y	
	to start of work. Certified per 8-5-404		
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 S107	Y	
	(Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168),		
	S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
8-5-320	Tank Fitting Requirements	Y Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
	seals, lids		
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements in floating roof tanks		
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements-projection below liquid surface		
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements-cover, seal, or lid		
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
	requirements-gap between well and roof	_	
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		

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

\$97 (Tank 100), \$98, (Tank 101), \$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),

Requirement Desc 8-5-328.2 Tanl 8-5-328.3 Noti 8-5-331 Tanl 8-5-332 Slud 8-5-401 Insp 8-5-401.1 Insp and 8-5-401.2 8-5-403 Insp Fitti 8-5-403 Insp to S (Tan 8-5-501 Recc 8-5-501.1 Recc 8-5-501.2 Recc	cription of Requirement k Degassing Requirements; Ozone Excess Day Prohibition ification of degassing k Cleaning Requirements deg Handling Requirements dection Requirements for External Floating Roof Tanks dection Requirements for External Floating Roof Tanks; Primary Secondary Seal Inspections dection Requirements for External Floating Roof Tanks; Tank dection Requirements for External Floating Roof Tanks; Tank dection Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 dection Requirements (Tank 174), S129 (Tank 180), S178 (Tank 288)) deficition	able (Y/N) Y N N N Y Y Y Y Y Y Y Y	Effective Date
8-5-328.2 Tanl 8-5-328.3 Noti 8-5-328.3 Noti 8-5-331 Tanl 8-5-332 Slud 8-5-401 Insp 8-5-401.1 Insp and 8-5-401.2 Insp Fitti 8-5-403 Insp to S (Tan 8-5-404 Cert 8-5-501 Recc Reta 8-5-501.1 Recc Reta	k Degassing Requirements; Ozone Excess Day Prohibition ification of degassing k Cleaning Requirements deg Handling Requirements dection Requirements for External Floating Roof Tanks dection Requirements for External Floating Roof Tanks; Primary Secondary Seal Inspections dection Requirements for External Floating Roof Tanks; Tank dection Requirements for External Floating Roof Tanks; Tank dection Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 dection Requirements (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y N N Y Y Y	Date
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8-5-332 Slud 8-5-401 Insp 8-5-401.1 Insp and 8-5-401.2 Insp Fitti 8-5-403 Insp to S (Tan 8-5-404 Cert 8-5-501 Recc Reta 8-5-501.1 Recc Reta	dge Handling Requirements bection Requirements for External Floating Roof Tanks bection Requirements for External Floating Roof Tanks; Primary Secondary Seal Inspections bection Requirements for External Floating Roof Tanks; Tank longs Inspections bection Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 lik 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	N Y Y	
8-5-401 Insp 8-5-401.1 Insp and 8-5-401.2 Insp Fitti 8-5-403 Insp to S (Tan 8-5-404 Cert 8-5-501 Recc Reta 8-5-501.2 Recc	section Requirements for External Floating Roof Tanks section Requirements for External Floating Roof Tanks; Primary Secondary Seal Inspections section Requirements for External Floating Roof Tanks; Tank sings Inspections section Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 sk 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y Y	
8-5-401.1 Insp and 8-5-401.2 Insp Fitti 8-5-403 Insp to S (Tan 8-5-404 Cert 8-5-501 Reco 8-5-501.1 Reco Reta 8-5-501.2 Reco	section Requirements for External Floating Roof Tanks; Primary Secondary Seal Inspections section Requirements for External Floating Roof Tanks; Tank ings Inspections section Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 ink 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y Y	
8-5-401.2 Insp Fitti 8-5-403 Insp to S (Tan 8-5-404 Cert 8-5-501 Reco 8-5-501.1 Reco Reta 8-5-501.2 Reco	Secondary Seal Inspections Dection Requirements for External Floating Roof Tanks; Tank Ings Inspections Dection Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 Enk 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-403 Insp to S (Tan 8-5-404 Cert 8-5-501 Recc 8-5-501.1 Recc Reta 8-5-501.2 Recc	ngs Inspections section Requirements for Pressure Vacuum Valves (applies only 107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 s18 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
to S (Tan 8-5-404 Cert 8-5-501 Recc 8-5-501.1 Recc Reta 8-5-501.2 Recc	107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 ak 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-501 Recc 8-5-501.1 Recc Reta 8-5-501.2 Recc	tification	1	
8-5-501.1 Recc Reta 8-5-501.2 Recc		Y	
Reta 8-5-501.2 Reco	ords	Y	
8-5-501.2 Reco	ords; Type and amounts of liquid, type of blanket gas, TVP – ain 24 months	Y	
	ords; Internal and External Floating Roof Tanks, Seal lacement Records – Retain 10 years	Y	
8-5-503 Port	able Hydrocarbon Detector	Y	
40 CFR 60, Star	ndards of Performance for Storage Vessels for Volatile		
Subpart Kb Org	anic Liquid Storage Vessels for Which Construction,		
	onstruction, or Modification Commenced After July 23, 4 (10/15/03)		
	plies to S107 only)		
	ndards for Volatile Organic Compounds (VOC); External		
	ting roof option	Y	
	ndards for Volatile Organic Compounds (VOC); External		
	ting roof seal requirements	Y	
	ndards for Volatile Organic Compounds (VOC); External		
	ting roof primary seal requirements	Y	
	ndards for Volatile Organic Compounds (VOC); External		
	ting roof secondary seal requirements		
60.112b(a)(2)(i)(B)		Y	
	ndards for Volatile Organic Compounds (VOC); External		
	ting roof openings requirements	Y	
	ndards for Volatile Organic Compounds (VOC); External		
	ting roof floating requirements	Y	
60.113b(b)(1) Test	ting and Procedures; External floating roof seal gap surement frequency	Y	

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Federally Future **Enforce-**Applicable **Regulation Title or** able **Effective** Requirement **Description of Requirement** (Y/N)Date 60.113b(b)(1)(i) Testing and Procedures; External floating roof primary seal gaps Y measurement frequency 60.113b(b)(1)(ii) Testing and Procedures; External floating roof secondary seal gaps Y measurement frequency 60.113b(b)(1)(iii) Testing and Procedures; External floating roof reintroduction of Y 60.113b(b)(2) Testing and Procedures; External floating roof seal gap Y measurement procedures 60.113b(b)(2)(i) Testing and Procedures; External floating roof measure seal gaps Y when roof is floating 60.113b(b)(2)(ii) Testing and Procedures; External floating roof measure seal gaps Y around entire circumference 60.113b(b)(2)(iii) Testing and Procedures; External floating roof seal method to Y determine surface area of seal gaps 60.113b(b)(3) Testing and Procedures; External floating roof method to calculate Y total surface area ratio 60.113b(b)(4) Testing and Procedures; External floating roof seal gap repair Y requirements Testing and Procedures; External floating roof primary seal gap Y 60.113b(b)(4)(i)limitations Testing and Procedures; External floating roof mechanical shoe Y 60.113b(b)(4)(i)(A)primary seal requirements 60.113b(b)(4)(i)(B)Testing and Procedures; External floating roof primary seals no Y holes, tears, openings Testing and Procedures; External floating roof secondary seal gap Y 60.113b(b)(4)(ii) limitations 60.113b(b)(4)(ii)(A) Testing and Procedures; External floating roof secondary seal Y installation Testing and Procedures; External floating roof secondary seal gap 60.113b(b)(4)(ii)(B) Y 60.113b(b)(4)(ii)(C) Testing and Procedures; External floating roof secondary seals no Y holes, tears, openings Testing and Procedures; External floating roof 30-day extension Y 60.113b(b)(4)(iii) request for seal gap repairs 60.113b(b)(5) Testing and Procedures; External floating roof seal gap inspections Y 30 day notification Testing and Procedures; External floating roof visual inspection Y 60.113b(b)(6) when emptied and degassed Testing and Procedures; External floating roof--roof or seal defect Y 60.113b(b)(6)(i)

383

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298), S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

		Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to	Y	
	filling		
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external		
	floating roof	Y	
40 CFR 61 Subpart	National Emission Standards for Benzene Waste Operations		
FF	(12/04/2003) (Applies to S107 only)		
40 CFR	Alternative Standards for Tanks; External floating roof meeting the		
61.351(a)(2)	requirements of 40 CFR 60.112b(a)(2)	Y	
	Alternative Standards for Tanks; Tanks subject to 61.351 and		
40 CFR 61.351(b)	exempt from 61.343	Y	
	Recordkeeping Requirements: Comply with recordkeeping		
40 CFR 61.356(k)	requirements of 40 CFR 60.115b	Y	
	Reporting Requirements: : Comply with reporting requirements of		
40 CFR 61.357(f)	40 CFR 60.115b		
NESHAPS Title 40	SOCMI HON G (12/21/2006)		
Part 63 Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
40 CFR 63.119(a)	Storage Vessel Provisions – Reference Control Technology	Y	
40 CFR	Storage Vessel Provisions – Reference Control Technology—	Y	
63.119(a)(1)	Group 1, TVP < 76.6 kPa		
40 CFR 63.119(c)	Storage Vessel Provisions – Reference Control Technology—	Y	
	External floating roof		
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 roof—Must 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	

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

\$97 (Tank 100), \$98, (Tank 101), \$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),

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
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	Y	
	Compliance—Compliance Demonstration—External floating roof		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(1)	Compliance—External FR seal gap measurement		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(1)(i)	Compliance—External FR with double seals – primary seal gap		
	measurement – 5 year intervals		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(1)(iii)	Compliance—External FR with double seals – secondary seal gap		
	measurement – annual requirement		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(1)(iv)	Compliance—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	Y	
63.120(b)(2)	Compliance—External FR seal gap determination methods		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(2)(i)	Compliance—External FR seal gap determination methods – roof		
	not resting on legs		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(2)(ii)	Compliance—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	Y	
63.120(b)(2)(iii)	Compliance—External FR seal gap determination methods –		
	determine total surface area of each gap		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(3)	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		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(4)	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		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(5)	Compliance—External FR primary seal additional requirements		

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

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S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
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	Storage Vessel Provisions – Procedures to Determine	Y	

Renewal Date: September 1, 2011

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

\$97 (Tank 100), \$98, (Tank 101), \$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),

,		Federally	Future
	December of The control of the contr	Enforce-	
Applicable Requirement	Regulation Title or Description of Requirement	able (Y/N)	Effective Date
63.120(b)(10)(i)	Compliance—External FR and seal visual inspection each time	(1/14)	Date
03.120(0)(10)(1)	emptied – Repair defects before refilling [does not apply to gaskets,		
	slotted membranes, or sleeve seals for Group 1 Refinery MACT		
	tanks per 40 CFR 63.646(e)]		
40 CFR	Storage Vessel Provisions – Procedures to Determine	Y	
63.120(b)(10)(ii)	Compliance—External FR and seal visual inspection each time	1	
03.120(0)(10)(11)	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	1	
03.120(0)(10)(11)	emptied —Notification for unplanned		
40 CFR 63.123(a)	Storage Vessel Provisions – Recordkeeping—Group 1 and Group 2	Y	
40 CI K 03.123(a)	storage vessel flovisions and capacity. Keep for life of source.	1	
40 CFR 63.123(d)	Storage Vessel Provisions – Recordkeeping—Group 1 External	Y	
40 CI K 03.123(d)	floating roof tank requirements – records of seal gap measurements	1	
	(date, raw data, and required calculations)		
40 CFR 63.123(g)	Storage Vessel Provisions – Recordkeeping, Extensions for	Y	
10 CFR 05.125(g)	emptying storage vessel – keep documentation specified	1	
NESHAPS Title 40	NESHAPS for Petroleum Refineries (06/23/2003)		
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 Provisions-Group 1	Y	
40 CFR	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
63.646(b)(1)	group determination		
40 CFR	Storage Vessel Provisions-Determine 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 Provisions-References	Y	
40 CFR	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(2)			
40 CFR	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(3)			
40 CFR	Storage Vessel Provisions-References 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		İ

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

\$97 (Tank 100), \$98, (Tank 101), \$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),

	(In it 1002), 5220 (In it 1002), 5220	Federally	Future
Applicable	Regulation Title or	Enforce- able	Effective
Requirement	Description of Requirement	(Y/N)	Date
Requirement	required to comply with provisions for gaskets, slotted membranes,	(1/14)	Date
	and sleeve seals.		
40 CFR 63.646(f)	Storage Vessel Provisions-Group 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 Provisions-Group 1 floating roof requirements-Rim	Y	
63.646(f)(2)	space vents requirements		
40 CFR	Storage Vessel ProvisionSGroup 1 floating roof requirements-	Y	
63.646(f)(3)	Automatic bleeder vents requirements		
40 CFR 63.646(1)	Storage Vessel Provisions-State or local permitting agency	Y	
, ,	notification requirements		
40 CFR 63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements		
40 CFR	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
63.655(f)(1)	status report requirements		
40 CFR	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
63.655(f)(1)(i)	status report requirements-Reporting—storage vessels		
40 CFR	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
63.655(f)(1)(i)(A)	status report requirements-Reporting—storage vessels		
40 CFR	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
63.655(f)(1)(i)(A)	status report requirements-Reporting—storage vessels		
(1)			
40 CFR 63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
40 CFR	Periodic Reporting and Recordkeeping Requirements-storage	Y	
63.655(g)(1)	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing sourcel		
40 CFR	Periodic Reporting and Recordkeeping Requirements-storage	Y	
63.655(g)(3)	vessels with external floating roofs	1	
40 CFR	Periodic Reporting and Recordkeeping Requirements-storage	Y	
63.655(g)(3)(i)	vessels with external floating roofs document results of each seal	1	
03.033(g)(3)(1)	gap measurement		
	gup measurement		
40 CFR	Periodic Reporting and Recordkeeping Requirements-storage	Y	
63.655(g)(3)(ii)	vessels with external floating roofs – extension documentation		
40 CFR	Periodic Reporting and Recordkeeping Requirements-storage	Y	
63.655(g)(3)(iii)	vessels with external floating roofs – documentation of failures		
40 CFR	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
63.655(h)(2)	vessel notification of inspections.		

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS

S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

2 = 1 (= 1 = 1	K 1001), 5255 (1 ANK 1002), 5250 (1 ANK 1005), 5257	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
63.655(h)(2)(i)	vessel notification of inspections – refilling Group 1 storage vessel.		
40 CFR	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
63.655(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 Requirements-Other reports-	Y	
63.655(h)(6)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping Requirements-Other reports-	Y	
63.655(h)(6)(ii)	Determination of Applicability		
40 CFR	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
63.655(i)(1)	storage vessels – keep records specified in 40 CFR 63.123 (Subpart		
	G)		
40 CFR	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
63.655(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 63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
	storage vessels-Record retention – 5 years		
BAAQMD	Throughput limits for sources S97, S100, S107, S110, S111, S112,	N	
Condition 20989,	S114, S115, S177, S254, S255, S256, S259 [Basis:		
Part A	2-1-234.3]		
BAAQMD	Throughput limits for sources S129, S150, S151, S178 [Basis:	Y	
Condition 20989,	2-1-234.3]		
Part A	A 1' (0100 0104 0106		
BAAQMD	Applies to S123, S124, S186		
Condition 22478	V 1' ' (0122 FD ' 1 ' 1	N/	
Part 1	Vapor pressure limit for S123 [Basis: cumulative increase]	Y Y	
Part 2	Vapor pressure limit for S124 [Basis: cumulative increase]		
Part 3	Emissions limit for S186 [Basis: cumulative increase]	Y	
Part 5	Throughput limit for S123 [Basis: cumulative increase]	Y	
Part 6	Throughput limit for S124 [Basis: cumulative increase]	_	
Part 8	BACT equipment requirements for S123, S124, S186, and S334	Y	
	[Basis: BACT, cumulative increase]	_	
Part 9	Emission calculations S186 [Basis: cumulative increase]	Y	
BAAQMD	Applies to S98. S122, S128		
Condition 22963		_	
Part 1a	Vapor pressure limit for S98 for October through March [Basis:	Y	
	cumulative increase]		

Table IV – BB.13

Source-Specific Applicable Requirements

MACT ZERO-GAP EXTERNAL FLOATING ROOF TANKS
S97 (TANK 100), S98, (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155),
S111 (Tank 150), S112 (Tank 157), S114 (Tank 150), S115 (Tank 150), S123 (Tank 150), S124 (Tank 150), S125 (Tank 150)

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	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 1b	Vapor pressure limit for S98 for April through September [Basis: cumulative increase]		
Part 1d	Vapor pressure limit for S122 [Basis: cumulative increase]		
Part 1e	Vapor pressure limit for S128 [Basis: cumulative increase]		
Part 2a	Throughput limit for S98 for October through March [Basis: cumulative increase]		
Part 2b	Throughput limit for S98 for April through September [Basis: cumulative increase]		
Part 2d	Annual throughput limit for S122 [Basis: cumulative increase]		
Part 2e	Annual throughput limit for S128 [Basis: cumulative increase]		
Part 4	Seal, penetration, guide pole, and roof leg requirements [Basis: BACT, cumulative increase]		

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

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
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	N	
	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		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
0 0 112	Tanks in Operation	-,	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior	N	
0-3-112.1.1	notification	11	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone	N	
0-3-112.1.2	notification	11	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to	N	
0-3-112.2	start of work. Certified per 8-5-404	14	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement,	N	
0-3-112.3	Minimize emissions	11	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	N	
8-5-112.6	Tank Records	N	
8-5-119	Limited Exemption, Repair Period (Applies to S341 only)	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	N	
0-3-301	floating roof, or approved emission control system)	19	
8-5-304		N	
	Requirements for External Floating Roofs	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fitting requirements	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal requirements	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal requirements	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	N	1
8-5-304.5	Requirements for External Floating Roofs; Shell in good condition	N	
8-5-304.6	Requirements for External Floating Roofs; tank pontoons	N	
			+
8-5-320	Tank Fitting Requirements; Floating roof tanks	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	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, seals, lids – Gap requirements	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.4.1	Tank Fitting Requirements; Solid sampling or gauging well requirements-projection below liquid surface	Y	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well requirements-cover, seal, or lid	Y	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well requirements-gap between well and roof	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-320.7	Tank Fitting Requirements; Pressure relief devices	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.1	Primary Seal Requirements; No holes, tears, other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements-welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Approved Emission Control System	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	

Renewal Date: September 1, 2011

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

	11 5 KA – 5341 (TANK 200), 5342 (TANK 207), 5343 (TAN	Federally	D 4
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-405	Information Required	Y	İ
8-5-411	Enhanced Monitoring Program (Applies to list of tanks chosen by facility)	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP – Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records – Retain 10 years	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
SIP	Organic Compounds, Storage of Organic Liquids (6/5/03)		
Regulation 8, Rule 5			
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-320	Tank Fitting Requirements	Y	

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

Applicable	Regulation Title or Description of Requirement	Federally Enforce- able	Future Effective Date
Requirement		(Y/N)	Date
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers,	Y	
9.5.220.4	seals, lids Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-5-320.4		Y	
8-5-320.4.1	requirements in floating roof tanks Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-3-320.4.1	requirements-projection below liquid surface	I	
8-5-320.4.2	Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-3-320.4.2	requirements-cover, seal, or lid	I	
8-5-320.4.3	Tank Fitting Requirements; Solid sampling or gauging well	Y	
8-3-320.4.3	requirements-gap between well and roof	I	
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 Tank Degassing Requirements; Tanks > 75 cubic meters, Approved	Y	
8-3-328.1.2		I	
8-5-328.2	Emission Control System Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-328.3			
	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
8-5-401.2	and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
9.5.402	Fittings Inspections Inspection Requirements for Pressure Vacuum Valves (applies only	Y	
8-5-403		Y	
	to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))		
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP -	Y	
0-3-301.1	Retain 24 months	1	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	Y	
0-3-301.2	Replacement Records - Retain 10 years	1	
8-5-503	Portable Hydrocarbon Detector	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile		
Subpart K	Organic Liquid Storage Vessels for Which Construction,		
Suspuri	Reconstruction, or Modification Commenced After June 11,		
	1973, and Prior to May 19, 1978 (10/17/2000)		
	APPLIES TO S334 (Tank 107)		
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
60.110(c)(2)	Applicability and Designation of Affected Facility>65,000 gal after	Y	
- (-/(-/	6/11/1973 and before 5/19/1978.		
60.112(a)(1)	Standard for petroleum liquids above 1.5 psia and below 11.1 psia	Y	
	Parameter and the parameter paramete	_	

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

	75 KA – 5541 (TANK 200), 5542 (TANK 209), 5545 (TA	Federally	Future
A19 1.1 .	Danilation Title on	Enforce-	
Applicable	Regulation Title or	able (Y/N)	Effective
Requirement	Description of Requirement		Date
60.113(a)	Records of petroleum liquids, period of storage, and maximum true	Y	
	vapor pressure	V	
60.113(b)	Nomographs may be used	Y	
40 CFR 60, Subpart Ka	Standards of Performance for Storage Vessels for Volatile		
	Organic Liquid Storage Vessels for Which Construction,		
	Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (12/14/2000)		
	APPLIES TO S341 (Tank 208), S342 (Tank 209), S343 (Tank		
	210)		
60.110a(a)	Applicability and Designation of Affected Facility	Y	
40 CFR 63,	SOCMI HON G (01/27/1995)	1	
· ·	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Subpart G	TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup	Y	
03.119(a)(1)	1, TVP < 76.6 kPa	1	
63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
- (-)	External floating roof		
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology	Y	
- (-)(-)	External floating roof seals		
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology	Y	
- (-)(-)(-)	External floating roof double seals required		
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof seal requirements		
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roofMust float on liquid		
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except during initial fill		
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except after completely		
	emptied and degassed		
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except when		
	completely emptied before refilling		
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	Y	
	External Floating Roof Operations, when not floating		
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap measurement		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),

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

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

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

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

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
	D. Lat. Miles	Enforce-	
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (06/23/2003)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS ALSO SUBJECT TO NSPS Subparts K OR Ka		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(n)(5)	Applicability and Designation of Affected Source Overlap for	Y	
	Storage Vessels—Group 1 vessel also subject to NSPS, Subparts K		
	or Ka only subject to 63 Subpart CC		
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
	group determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
	method 18 to resolve disputes		
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
	vessels [EFRs exempt from 63.119(c)(2)]		
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100	Y	
	of Subpart F		
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 63.120 of Subpart G – Not required to		
	comply with provisions for gaskets, slotted membranes, and sleeve		
	seals.		
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-	Y	
	Covers or lids closed except when in use		
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim	Y	
	space vents requirements		
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
	Automatic bleeder vents requirements		
63.646(l)	Storage Vessel Provisions-State or local permitting agency	Y	
	notification requirements		
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements		
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements		
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements-Reportingstorage vessels		
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements-Reportingstorage vessels		
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
(1)	status report requirements-Reportingstorage vessels		

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	Dute
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
63.655(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels— keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD	Applies to S334		
Condition 22478			1
Part 4	Vapor pressure limit [Basis: cumulative increase]	Y	1
Part 7	Throughput limit for S334 [Basis: cumulative increase]	Y	1
Part 8	BACT equipment requirements for S123, S124, S186, and S334 [Basis: BACT, cumulative increase]	Y	

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
		(' ')	
	e subject to the requirements of Table BB.21 until it is controlled by A7, Oc	ior Abatement S	System.
	subject to the requirements in Table IV-15a when controlled by A7.	<u> </u>	1
BAAQMD	General Provisions and Definitions (7/9/08)		
Regulation 1			= (= (0.0
1-523	Parametric Monitoring and Recordkeeping Procedures	N	7/5/09
			for S182
1-523.1	Parametric monitor periods of inoperation	Y	7/5/09
			for S182
1-523.2	Limits on periods of inoperation	Y	7/5/09
			for S182
1-523.3	Reports of Violations	N	7/5/09
			for S182
1-523.4	Records	Y	7/5/09
			for S182
1-523.5	Maintenance and calibration	N	7/5/09
			for S182
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y^1	7/5/09
			for S182
1-523.3	Reports of Violations	Y^1	7/5/09
			for S182
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	REQUIREMENTS FOR FIXED ROOF TANKS		
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service;	N	
	Notice to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	N	
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
0 0 1111112	Notice to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	N	
0.5 111.2	Compliance before notification	11	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use	Y	
5 5 111.T	of vapor recovery	1	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5 111.5	Minimization of emissions	1	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
0-5-112	Tanks in Operation	14	
Q 5 112 1		N	
8-5-112.1 8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO	N	+
0-3-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	N	
	prior notification		
		1	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	N	
	Telephone notification		
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	N	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	N	
8-5-112.6	Tank Records	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks, and Blanketed Tanks	N	
8-5-307.1	Shell in good condition with no leakage	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	N	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	N	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	
8-5-602	Analysis of Samples, True Vapor Pressure	N	
8-5-603	Determination of emissions	N	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
SIP	Organic Compounds, Storage of Organic Liquids (6/5/03)		
Regulation 8, Rule 5			
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves (applies only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), S178 (Tank 288))	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
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	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
BAAQMD Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (9/15/2004)		
8-8-302	Wastewater Separators Larger than or Equal to 18.9 Liters per Second	N	
8-8-302.3	Requirements for separators with fixed roofs and control device	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-503	Inspection and Repair Records	Y	
8-8-504	Portable Hydrocarbon Detector	Y	
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	N	
8-8-603	Inspection procedures	N	
SIP Regulation 8, Rule 8	Organic Compounds, Wastewater (Oil-Water Separators) (8/29/94)		
8-8-505	Records for Wastewater Collection System Components at Petroleum Refineries	Y	
NSPS Title 40 Part 60 Subpart K	NSPS Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (10/17/2000) EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM LIQUIDS (Applicable to S139 only)		
40 CFR 60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 61 Subpart FF	National Emission Standards for Benzene Waste Operations (12/04/2003)		
40 CFR 61.343(a)	Standards: Tanks	Y	
40 CFR 61.343(a)(1)	Standards: Tanks	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
40 CFR	•		
61.343(a)(1)(i)	Standards: Tanks, Fixed roof requirements	Y	
40 CFR	•		
61.343(a)(1)(ii)	Standards: Tanks, Closed vent systems comply with 61.349	Y	
40 CFR 61.343(c)	Quarterly visual inspections	Y	
40 CFR 61.343(d)	First efforts at repair	Y	
40 CFR 61.349	Standards: Closed-vent systems and control devices	Y	
40 CFR 61.349(a)	Standards: Closed-vent systems and control devices	Y	
40 CFR			
61.349(a)(1)	Closed vent system operation	Y	
40 CFR	,		
61.349(a)(2)	Control device requirements	Y	
40 CFR	1		
61.349(a)(2)(i)	Control device requirements: enclosed combustion device	Y	
40 CFR 61.349(b)	Operate at all times when waste is placed in waste management unit	Y	
40 CFR 61.349(c)	Control device (except flare) demonstration	Y	
40 CFR 61.349(f)	Visual inspection quarterly	Y	
40 CFR 61.349(g)	Repair period requirements	Y	
40 CFR 61.349(h)	Monitor control device in accordance with 61.354(c)	Y	
40 CFR 61.354(c)	Monitoring of Operations: Control device	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants for	-	
Part 63 Subpart	Petroleum Refining (6/23/2003)		
CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	ripplication of biologic vessels	1	
40 CFR	Exemption for emission points routed to fuel gas system	Y	
63.640(d)(5)	Exemption for emission points routed to facility system	1	
BAAQMD	APPLIES TO S139 AND S140		
Condition 22963	111222010010011100110		
Part 3	Requirement for abatement by A7, Odor Abatement System [8-5-301, 40 CFR 61, Subpart FF]	Y	
BAAQMD			
Condition 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	Prior to startup of S434 for S168
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S168 and S182 by 7/5/09. [2-1-403]	Y	7/5/09
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	

TABLE IV – BB.15a SOURCE-SPECIFIC APPLICABLE REQUIREMENTS MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (TANK 204), S140 (TANK 205), S168 (TANK 269), S182 (TANK 294)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	7/5/09
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

Table IV – BB.15b Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (TANK 202)

Federally Future Enforce-Regulation Title or Effective Applicable able Requirement **Description of Requirement** (Y/N)Date BAAQMD General Provisions and Definitions (7/9/08) Regulation 1 7/5/08 Parametric Monitoring and Recordkeeping Procedures 1-523 Ν 1-523.1 Parametric monitor periods of inoperation Y 7/5/08 1-523.2 Limits on periods of inoperation 7/5/08 1-523.3 7/5/08 Reports of Violations Ν 1-523.4 Records Y 7/5/08 1-523.5 N 7/5/08 Maintenance and calibration General Provisions and Definitions (6/28/99) SIP Regulation 1 Parametric Monitoring and Recordkeeping Procedures Y^1 7/5/08 1-523 1-523.3 Reports of Violations 7/5/08 Organic Compounds, Storage of Organic Liquids (10/18/06) BAAQMD REQUIREMENTS FOR FIXED ROOF TANKS Regulation 8, Rule 5 8-5-111 Limited Exemption, Tank Removal From and Return to Service 8-5-111.1 Limited Exemption, Tank Removal From and Return to Service; N Notice to the APCO 8-5-111.1.1 Limited Exemption, Tank Removal From and Return to Service; Ν 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; Ν Compliance before notification 8-5-111.4 Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery

Table IV – BB.15b Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (TANK 202)

	5137 (TANK 202)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimization of emissions		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation		
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	N	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	N	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	N	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work	N	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	N	
8-5-112.6	Records for 24 months	N	
8-5-301	Storage Tank Control Requirements (internal floating roof, external	N	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-306	Requirements for Approved Emission Control Systems	N	
8-5-307	Requirements for Fixed Roof Tanks, Pressure Tanks, and Blanketed Tanks	N	
8-5-307.1	Shell in good condition with no leakage	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	N	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	N	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	N	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination and Source Test Reports	N	
8-5-501	Records	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	

Table IV – BB.15b Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (TANK 202)

	5137 (TANK 202)	Federally	D
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (6/5/03)		
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service, Minimize emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
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	

Table IV – BB.15b Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (TANK 202)

	5137 (TANK 202)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y	Date
0-3-320.1.2	Concentration of <10,000 ppm as methane after degassing	1	
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-328.3	Notification of degassing	N	
8-5-331	Tank Cleaning Requirements	N	
8-5-332	Sludge Handling Requirements	N	-
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-603	Determination of emissions	Y	
8-5-603.1	Determination of Emissions; Organic compounds specified in 8-5-306	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40	ě.	-	
Part 63 Subpart	Petroleum Refining (6/23/2003)		
CC	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
40 CFR	Applicability and Designation of Storage Vessels	Y	
63.640(c)(2)	ripplication of storage vessels	1	
40 CFR	Exemption for emission points routed to fuel gas system	Y	+
63.640(d)(5)	Exemption for emission points fouted to faci gas system	1	
BAAQMD			
Condition 13184			
Condition 13104	Requirement to vent emissions to fuel gas system [Basis: Cumulative	Y	
Part 1	Increase]	1	
BAAQMD	APPLIES TO S137		+
Condition 22518	APPLIES 10 S137		
	Vonce programs limit [Cumulative in areas]	V	
Part 2	Vapor pressure limit [Cumulative increase]	Y Y	
Part 3	Throughput limit [Cumulative increase]		
Part 4	Control requirement [Cumulative increase]	Y	
Part 5	Prohibition on tank cleaning when switching products [Cumulative increase]	Y	
BAAQMD			
Condition 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S137 by 7/5/09. [2-1-403]	Y	7/5/08
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	

Table IV – BB.15b Source-Specific Applicable Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (TANK 202)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
Part 4a	Tank pressures for tanks subject to Regulation 8, Rule 5 [Regulation 8, Rule 5]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	7/5/09
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

Applicable	Regulation Title or	Federally Enforce- able	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)	(2/21)	2
Regulation 8, Rule	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	

Table IV – BB.16 Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	N	
8-5-403.1	Inspection Requirements for Pressure Relief Devices; Pressure vacuum valves gas tight standards in 8-5-303	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP-Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	

411

	S133 (TANK 193)	Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations;	N	
	EPA method 21 Instruments		
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations;	N	
	Method 21 and tank degassing residual organic concentration		
	measurement method		
SIP Regulation 8,	Storage of Organic Liquids (06/05/2003)		
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Notification, Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank	Y	
	in compliance prior to notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice	Y	
	of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy	Y	
	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)		
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, operation,	Y	
	and gas tight requirements		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	

		Federally Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Welded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters, Concentration of < 10,000 ppm as methane after degassing	Y	
8-5-328.2	Tank Degassing Requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
BAAQMD Regulation 8,	Organic Compounds, Wastewater (Oil-Water Separators) (9/15/04) PEOUREMENTS FOR SLOP OIL VESSELS		
Rule 8 8-8-113	REQUIREMENTS FOR SLOP OIL VESSELS Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	N	
8-8-303	Standards; Gauging and Sampling Devices	Y	
8-8-305	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels – fixed cover requirements	Y	
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	N	
SIP	Wastewater (Oil-Water) Separator (8/29/94)		
Regulation 8, Rule 8			
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile		
Subpart Kb	Organic Liquid Storage Vessels for Which Construction,		
	Reconstruction, or Modification Commenced After July 23, 1984 (10/15/03)		
40 CFR 60.112b(a)(2)	Standards for Volatile Organic Compounds (VOC); External floating roof option	Y	
40 CFR 60.112b(a)(2)(i)	Standards for Volatile Organic Compounds (VOC); External floating roof seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(A)	Standards for Volatile Organic Compounds (VOC); External floating roof primary seal requirements	Y	
40 CFR 60.112b(a)(2)(i)(B)	Standards for Volatile Organic Compounds (VOC); External floating roof secondary seal requirements	Y	
40 CFR 60.112b(a)(2)(ii)	Standards for Volatile Organic Compounds (VOC); External floating roof openings requirements	Y	
40 CFR	Standards for Volatile Organic Compounds (VOC); External floating roof floating requirements	Y	
60.112b(a)(2)(iii) 60.113b(b)(1)	Testing and Procedures; External floating roof seal gap measurement frequency	Y	
60.113b(b)(1)(i)	Testing and Procedures; External floating roof primary seal gaps measurement frequency	Y	
60.113b(b)(1)(ii)	Testing and Procedures; External floating roof secondary seal gaps measurement frequency	Y	
60.113b(b)(1)(iii)	Testing and Procedures; External floating roof reintroduction of	Y	

	S133 (1ANK 193)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
-	VOL		
60.113b(b)(2)	Testing and Procedures; External floating roof seal gap measurement	Y	
	procedures		
60.113b(b)(2)(i)	Testing and Procedures; External floating roof measure seal gaps	Y	
	when roof is floating		
60.113b(b)(2)(ii)	Testing and Procedures; External floating roof measure seal gaps	Y	
	around entire circumference		
60.113b(b)(2)(iii)	Testing and Procedures; External floating roof seal method to	Y	
	determine surface area of seal gaps		
60.113b(b)(3)	Testing and Procedures; External floating roof method to calculate	Y	
	total surface area ratio		
60.113b(b)(4)	Testing and Procedures; External floating roof seal gap repair	Y	
	requirements		
60.113b(b)(4)(i)	Testing and Procedures; External floating roof primary seal gap	Y	
	limitations		
60.113b(b)(4)(i)(A)	Testing and Procedures; External floating roof mechanical shoe	Y	
	primary seal requirements		
60.113b(b)(4)(i)(B)	Testing and Procedures; External floating roof primary seals no	Y	
	holes, tears, openings		
60.113b(b)(4)(ii)	Testing and Procedures; External floating roof secondary seal gap	Y	
	limitations		
60.113b(b)(4)(ii)(A)	Testing and Procedures; External floating roof secondary seal	Y	
	installation		
60.113b(b)(4)(ii)(B)	Testing and Procedures; External floating roof secondary seal gap	Y	
60.113b(b)(4)(ii)(C)	Testing and Procedures; External floating roof secondary seals no	Y	
	holes, tears, openings		
60.113b(b)(4)(iii)	Testing and Procedures; External floating roof 30-day extension	Y	
	request for seal gap repairs		
60.113b(b)(5)	Testing and Procedures; External floating roof seal gap inspections	Y	
40 4401 (1) (2)	30 day notification		
60.113b(b)(6)	Testing and Procedures; External floating roof visual inspection	Y	
60 1101 (1) (6) (1)	when emptied and degassed	***	
60.113b(b)(6)(i)	Testing and Procedures; External floating roofroof or seal defect	Y	
60 1101 (1) (6) (11)	repairs Fig. 15 cm. 15	***	
60.113b(b)(6)(ii)	Testing and Procedures; External floating roof notification prior to	Y	
(0.115h/h)	filling		
60.115b(b)	Reporting and Recordkeeping Requirements; 60.112b(a) external	v	
40 CED 61 Submand	floating roof National Emission Standards for Benzene Waste Operations	Y	
40 CFR 61 Subpart FF	(12/04/2003)		
40 CFR	Alternative Standards for Tanks; External floating roof meeting the		
61.351(a)(2)	requirements of 40 CFR 60.112b(a)(2)	Y	
01.331(a)(2)	Alternative Standards for Tanks; Tanks subject to 61.351 and exempt	1	
40 CFR 61.351(b)	from 61.343	Y	
40 CIR 01.331(0)	11011101.J+J	1	l

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
40 CFR 61.356(k)	Recordkeeping Requirements: Comply with recordkeeping requirements of 40 CFR 60.115b	Y	
40 CFR 61.357(f)	Reporting Requirements: : Comply with reporting requirements of 40 CFR 60.115b		
40 CFR 63, Subpart G	SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance- Compliance DemonstrationExternal floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - secondary seal gap measurement – annual requirement	Y	

Table IV – BB.16 Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

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

417

	S133 (TANK 193)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
	– empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30		
	day extensions are allowed to empty the tank. Decision to use		
	extension must be documented.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR Repairs must be made within 45 days after		
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
	must be documented.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap measurement 30 day notification		
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
(2.120(1)(10)(')	External FR and seals visual inspection each time emptied	37	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per 63.646(e)]		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(10)(11)	External FR and seal visual inspection each time emptied – 30 day	1	
	notification		
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (6/23/03)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
62.640(.)(2)	TANKS	37	
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
62.646(h)(2)	group determination Storage Wassel Provisions Determine storad liquid % OHAD	v	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
62.646(a)	method 18 to resolve disputes Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
63.646(c)		Y	
	vessels [EFRs exempt from 63.119(c)(2)]		

	S133 (TANK 193)	Federally	
		Enforce-	Future
Applicable	Regulation Title or	able	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100	Y	
	of Subpart F		
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 63.120 of Subpart G – Not required to		
	comply with provisions for gaskets, slotted membranes, and sleeve		
	seals.		
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-	Y	
	Covers or lids closed except when in use		
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim	Y	
	space vents requirements		
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
	Automatic bleeder vents requirements		
63.646(l)	Storage Vessel Provisions-State or local permitting agency	Y	
	notification requirements		
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements		
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
.,,,	status report requirements		
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
.,,,,,	status report requirements-Reportingstorage vessels		
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
.,,,,,,,	status report requirements-Reportingstorage vessels		
63.655(f)(1)(i)(A)(1)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
***************************************	status report requirements-Reportingstorage vessels		
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
(8)()	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
	source		
63.655(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
(8)(-)	vessels with external floating roofs		
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
321322 (8)(2)(2)	vessels with external floating roofs-document results of each seal		
	gap measurement		
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
22.000 (8)(0)(11)	vessels with external floating roofs – extension documentation	_	
63.655(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
02.000(5)(0)(111)		•	
63.655(h)(2)		Y	
52.533(II)(2)		_	
63.655(h)(2)	vessels with external floating roofs – documentation of failures Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	

Table IV – BB.16 Source-Specific Applicable Requirements MACT ZERO-GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK S133 (TANK 193)

5135 (TANK 193)			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S133 [Basis: 2-1-234.3]	Y	

Applicable Requirement	Regulation Title or	Federally Enforce- able	Future Effective
	Description of Requirement	(Y/N)	Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	

	5540 (TANK 108)		
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	N	
	Self report if out of compliance during exemption period		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able	Future Effective
8-5-320.4.2		(Y/N)	Date
8-3-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or	Y	
0-5-520.4.5	gauging wells total secondary seal gap must include well gap	1	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains	N	
0 2 320.0	must be 90% covered	11	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
0.5.221.2	mounted except as provided in 8-5-305.1.3	N.T.	
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks;	N	
0 0 10111	Primary and Secondary Seal Inspections	-,	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of	N	
0.0 111.1	tanks selected for enhanced monitoring program		
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	

	5340 (TANK 108)	Federally	
Applicable		Enforce-	Future
Requirement	Regulation Title or	able	Effective
	Description of Requirement	(Y/N)	Date
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP-	N	2
0 0 00111	Retain 24 months	- 1	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	N	
	Replacement Records- Retain 10 years		
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations;	N	
	EPA method 21 Instruments		
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations;	N	
	Method 21 and tank degassing residual organic concentration		
	measurement method		
SIP Regulation 8,	Storage of Organic Liquids (06/05/03)		
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; 3 day prior notification		
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; Telephone notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Compliance before notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Floating roof tanks - continuous and quick filling, emptying and		
	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Minimization of emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Written notice of completion not required		
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.110	Compliance with Section 8-5-328	**	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3	Y	
0.5.110.1.0	day prior notification	37	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y	
0.5.110.0	Telephone notification	37	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and	Y	
0.5.110.2	certification before commencement of work per 8-5-404	37	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		

S340 (TANK 108)				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not	Y		
	exceed 7 days			
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y		
8-5-304	Requirements for External Floating Roofs	Y		
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y		
8-5-320	Tank fitting requirements – Floating roof tanks	Y		
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids –	Y		
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y		
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y		
8-5-321	Primary seal requirements	Y		
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y		
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y		
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y		
8-5-322	Secondary seal requirements	Y		
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y		
8-5-322.2	Secondary seal requirements; Insertion of probes	Y		
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as secondary seal is not a zero-gap seal as defined in 8-5-322.5)	Y		
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed after September 4, 1985 (becomes applicable when secondary seal is considered newly installed and subject to zerogap seal gap requirements)	Y		
8-5-322.6	Secondary seal requirements; extent of seal	Y		
8-5-328	Tank degassing requirements	Y		
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y		
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters; Concentration of <10,000 ppm as methane after degassing	Y		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y		
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y		
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	Y		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y		
8-5-404	Certification	Y		
8-5-405	Information required	Y		

5540 (TANK 100)				
Applicable		Federally Enforce-	Future	
Requirement	Regulation Title or	able	Effective	
	Description of Requirement	(Y/N)	Date	
8-5-501	Records	Y		
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal Replacement Records – Retain 10 years	Y		
8-5-503	Portable hydrocarbon detector	Y		
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile	_		
Subpart Ka	Organic Liquid Storage Vessels for Which Construction,			
~ F	Reconstruction, or Modification Commenced After May 18,			
	1978, and Prior to July 23, 1984 (12/14/2000)			
60.110a(a)	Applicability and Designation of Affected Facility	Y		
40 CFR 63,	SOCMI HON G (12/21/06)			
Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS			
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y		
63.119(a)(1)	Storage Vessel Provisions Reference Control Technology-	Y		
03.117(u)(1)	Group 1, TVP < 76.6 kPa	1		
63.119(c)	Storage Vessel Provisions Reference Control Technology	Y		
03.117(0)	External floating roof	1		
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology	Y		
03.117(0)(1)	External floating roof seals	1		
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology	Y		
03.117(c)(1)(1)	External floating roof double seals required	1		
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology	Y		
03.117(0)(1)(11)	External floating roof primary seal requirements – metallic shoe	1		
	or liquid-mounted			
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology	Y		
321117 (1)(1)(111)	External floating roof seal requirements			
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology	Y		
(,,,,,,	External floating roofMust float on liquid			
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology	Y		
.,,,,,	External floating roof Must float on liquid except during initial			
	fill			
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y		
	External floating roof Must float on liquid except after			
	completely emptied and degassed			
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology	Y		
	External floating roof Must float on liquid except when			
	completely emptied before refilling			
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	Y		
	External Floating Roof Operations, when not floating			
63.120(b)	Storage Vessel Provisions Procedures to Determine	Y		
	ComplianceCompliance DemonstrationExternal floating roof			

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR with double seals - primary seal gap measurement - 5 year intervals	Y	
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR with double seals - secondary seal gap measurement - annual requirement	Y	
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	
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR seal gap determination methods – roof not resting on legs	Y	
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	
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	
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	
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	
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR primary seal additional requirements	Y	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine ComplianceExternal FR secondary seal requirements – location and extent	Y	

	5340 (TANK 108)	Federally	
Applicable		Enforce-	Future
Requirement	Regulation Title or	able	Effective
1.	Description of Requirement	(Y/N)	Date
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR secondary seal requirements - no holes,		
	tears or openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank – complete measurements or inspection within 30		
	days after determining roof is unsafe or comply with		
	63.120(b)(7)(ii)		
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR unsafe to perform seal measurements or		
	inspect the tank – empty and remove vessel from service within		
	45 days after determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the		
	65.120(6)(7)(1). Two 30 day extensions are anowed to empty the tank. Decision to use extension must be documented.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine	Y	
03.120(0)(8)	Compliance External FR Repairs must be made within 45 days	I	
	after identification or empty and remove tank from service. Two		
	30 day extensions are allowed to empty the tank. Decision to use		
	extension must be documented.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine	Y	
(-)(-)	Compliance External FR seal gap measurement 30 day	_	
	notification		
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine	Y	
	ComplianceExternal FR and seals visual inspection each time		
	emptied		
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine	Y	
	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 63.646(e)]		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine	Y	
	Compliance External FR and seal visual inspection each time		
60 100 (1) (10) (11)	emptied – 30 day notification	77	
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine	Y	
	Compliance External FR and seal visual inspection each time		
62 122(a)	emptied —Notification for unplanned Storage Vessel Previsions — Peoprellycoping —Group Lond Group	V	
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group	Y	
63.123(d)	2 storage vessel dimensions and capacity. Keep for life of source. Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
03.123(u)	floating roof tank requirements - records of seal gap	I	
	measurements (date, raw data, and required calculations)		
	measurements (date, raw data, and required calculations)		

Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	Y	
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Storage Vessel Provisions-References to compliance dates in	Y	
	Y	
	Y	
	37	
	Y	
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	Y	
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1 1	Y	
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	Y	
	*	
	Y	
compliance status report requirements-Reportingstorage vessels	-	
	Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/23/03) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subparts K or Ka Applicability and Designation of Storage Vessels Applicability and Designation of Affected Source Overlap for Storage Vessels—Group 1 vessel also subject to NSPS, Subparts K or Ka only subject to 63 Subpart CC Storage Vessel Provisions-Group 1 Storage Vessel Provisions-Determine stored liquid % OHAP for group determination Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel Provisions-References Storage Vessel Provisions-References to December 31, 1992 Storage Vessel Provisions-References to December 31, 1992 Storage Vessel Provisions-References to December 31, 1992 Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals. Storage Vessel Provisions—Group 1 floating roof requirements Storage Vessel Provisions-Group 1 floating roof requirements-Covers or lids closed except when in use Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements Storage Vessel Provisions-Group 1 floating roof requirements-Rim space vents requirements Reporting and Recordkeeping Requirements-Notice of compliance status report requirements Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting—storage vessels Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reporting—storage vessels	Regulation Title or Description of Requirement Storage Vessel Provisions Recordkeeping, Extensions for emptying storage vessel – keep documentation specified National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries (06/23/03) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS ALSO SUBJECT TO NSPS, Subparts K or Ka Applicability and Designation of Storage Vessels Applicability and Designation of Affected Source Overlap for Storage Vessels— Group 1 vessel also subject to NSPS, Subparts K or Ka only subject to 63 Subpart CC Storage Vessel Provisions-Group 1 Storage Vessel Provisions-Determine stored liquid % OHAP for group determination Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes Storage Vessel Provisions—63 Subpart G exclusions for storage vessels [EFRs exempt from 63.119(c)(2)] Storage Vessel Provisions-References Storage Vessel Provisions-References to April 22,1994 Y Storage Vessel Provisions-References to December 31, 1992 Y Storage Vessel Provisions-References to December 31, 1992 Y Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to comply with provisions for gaskets, slotted membranes, and sleeve seals. Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Storage Vessel Provisions—Group 1 floating roof requirements—Y Cowers or lids closed except when in use Storage Vessel Provisions—Group 1 floating roof requirements—Y Cowers or lids closed except when in use Storage Vessel Provisions—Group 1 floating roof require

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

Table IV – BB.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)

	\$185 (TANK 295), \$184 (TANK 290), \$201 (TANK 101		Б. 4
Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
_	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	N	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank	N	
	in compliance at time of notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	N	
	Filling, emptying, refilling floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimize emissions and, if required, degas per 8-5-328		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self	N	
	report if out of compliance during exemption period		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation		
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Notification		
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Tank in compliance at time of notification		
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; No product movement, Minimize emissions		
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Not to exceed 7 days		
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Self report if out of compliance during exemption		
	period		
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Keep records for each exemption		
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves (applicable to S125 (Tank	N	
	170))		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable	N	
	to S125 (Tank 170))		
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirements	N	
	(applicable to S125 (Tank 170))		
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	

Table IV – BB.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)

	5103 (TANK 275), 5104 (TANK 270), 5201 (TANK 1010)				
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date		
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N			
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N			
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N			
8-5-320	Floating Roof Tank Fitting Requirements	N			
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N			
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N			
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y			
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N			
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y			
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y			
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y			
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N			
8-5-321	Primary seal requirements	N			
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y			
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y			
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N			
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N			
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N			
8-5-322	Secondary seal requirements	N			
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N			
8-5-322.2	Secondary seal requirements; Insertion of probes	N			
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N			
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N			
8-5-322.6	Secondary seal requirements; extent of seal	N			
8-5-328	Tank degassing requirements	N			
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N			
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N			

Table IV – BB.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)

	5105 (1ANK 275), 5104 (1ANK 270), 5201 (1ANK 101		_
Applicable		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	N	
	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	N	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Relief Devices (applicable to S125 (Tank 170))	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test	N	
-	Reports		
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks	N	
	selected for enhanced monitoring program		
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating	N	
	enhanced monitoring program		
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain	N	
	24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	N	
	Replacement Records- Retain 10 years		
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints (applicable to S125	N	
	(Tank 170))		
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
	(applicable to S125 (Tank 170))		
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations;	N	
	EPA method 21 Instruments (applicable to S125 (Tank 170))		
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations;	N	
	Method 21 and tank degassing residual organic concentration		
	measurement method (applicable to S125 (Tank 170))		
SIP Regulation 8,	Storage of Organic Liquids (06/6/03)		
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO		
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; 3 day prior notification	_	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
	Notice to the APCO; Telephone notification	_	

Table IV – BB.18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	Y	
0 0 1111.2	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 per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed	Y	
	7 days		
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves (applicable to S125 (Tank	Y	
	170))		
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure (applicable	Y	
0.5.202.2	to S125 (Tank 170))	***	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, operation,	Y	
0.5.204	and gas tight requirements (applicable to S125 (Tank 170))	N/	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	Y	
9.5.220	requirements	V	
8-5-320	Tank fitting requirements – Floating roof tanks	Y Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below	Y	
9.5.220.2	liquid surface Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
8-5-320.3	seals, lids –	I	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well	Y	
0-3-320. 4	requirements in floating roof tanks	1	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
0-3-341	1 miary sear requirements	I	1

Table IV – BB.18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

	5105 (TANK 275), 5104 (TANK 270), 5201 (TANK 1010)			
Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	2400	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements-	Y		
0 0 021.0.1	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, or other openings	Y		
8-5-322.2	Secondary seal requirements; Insertion of probes	Y		
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y		
	secondary seal is not zero-gap seal as defined in 8-5-322.5)			
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed	Y		
	after September 4, 1985 (becomes applicable when secondary seal is			
	considered newly installed and subject to zero-gap seal gap			
	requirements)			
8-5-322.6	Secondary seal requirements; extent of seal	Y		
8-5-328	Tank degassing requirements	Y		
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y		
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y		
	Concentration of <10,000 ppm as methane after degassing			
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y		
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y		
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y		
	and Secondary Seal Inspections			
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	Y		
8-5-403	Inspection Requirements for Pressure Relief Devices (applicable to 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	Y		
0.5.502	Replacement Records – Retain 10 years	Y		
8-5-503 8-5-605	Portable hydrocarbon detector Pressure-Vacuum Valve Gas Tight Determination (applicable to S125)			
	(Tank 170))	Y		
40 CFR 63,	SOCMI HON G (12/21/2006)			
Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS			
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y		
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y		

Table IV – BB.18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

	5103 (TANK 273), 5104 (TANK 270), 5201 (TANK 101	<u> </u>	_
A 12 1.1 .		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof		
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology	Y	
(1)(1)	External floating roof seals		
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology	Y	
00.117 (0)(1)(1)	External floating roof double seals required	_	
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
001117(0)(1)(11)	External floating roof primary seal requirements – metallic shoe or	-	
	liquid-mounted		
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
03.117(c)(1)(III)	External floating roof seal requirements	1	
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology-	Y	
03.117(0)(3)	External floating roofMust float on liquid	1	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology	Y	
03.119(0)(3)(1)	External floating roofMust float on liquid except during initial fill	1	
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
03.119(0)(3)(11)	-	1	
	External floating roof Must float on liquid except after completely emptied and degassed		
62 110(a)(2)(;;;)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(c)(3)(iii)	External floating roof Must float on liquid except when	1	
(2.110(-)(4)	completely emptied before refilling	Y	
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	ĭ	
(2.120(1.)	External Floating Roof Operations, when not floating	37	
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
62 120(1)(1)	Compliance DemonstrationExternal floating roof	37	
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
62 120(1)(1)(1)	External FR seal gap measurement	37	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR with double seals - primary seal gap measurement – 5		
62 120 (L) (L) (T)	year intervals	37	
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR with double seals - secondary seal gap measurement –		
60 100 (L) (L) (C)	annual requirement	37	
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal inspections prior to tank refill with organic HAP		
40.400.433.403	after not storing organic HAP for 1 year or longer	37	
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
60 100 (1) (2) (1)	External FR seal gap determination methods	***	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR seal gap determination methods – roof not resting on		
60 100 (L) (C) (C)	legs	7.7	
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR seal gap determination methods – measure gaps around		
	entire circumference of seal and measure width and length of gaps		

Table IV – BB.18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

	5103 (TANK 273), 5104 (TANK 270), 5201 (TANK 101		E-4
Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods – determine total		
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR primary seal gap calculation method – total surface area		
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal gap calculation method – total surface		
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR primary seal additional requirements		
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR primary seal additional requirements – metallic shoe		
	seal – shoe geometry		
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR primary seal additional requirements – no holes, tears,		
	or openings		
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements		
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements – location and extent		
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR secondary seal requirements - no holes, tears or		
	openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
	- complete measurements or inspection within 30 days after		
40 400 d 3 (= 3 db)	determining roof is unsafe or comply with 63.120(b)(7)(ii)		
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
	– empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30		
	day extensions are allowed to empty the tank. Decision to use		
60 100 (1) (2)	extension must be documented.	3.7	
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR Repairs must be made within 45 days after		
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
62 120(h)(0)	must be documented.	N/	
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance	Y	

Table IV – BB.18 Source-Specific Applicable Requirements MACT EXTERNAL FLOATING ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170),

		E 1 11	Future
Applicable	D 1.4' T'41	Federally	
Requirement	Regulation Title or	Enforceable	Effective Date
-	Description of Requirement	(Y/N)	Date
63.120(b)(10)	External FR seal gap measurement 30 day notification Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(10)		I	
62 120(h)(10)(i)	External FR and seals visual inspection each time emptied	Y	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance- External FR and seal visual inspection each time emptied – Repair	I	
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	63.646(e)]		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied – 30 day		
	notification		
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (6/23/03)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
· / · /	group determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
	method 18 to resolve disputes		
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
	vessels [EFRs exempt from 63.119(c)(2)]		
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100	Y	
	of Subpart F		
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 63.120 of Subpart G – Not required to		
	comply with provisions for gaskets, slotted membranes, and sleeve		
	seals.		
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	

Table IV – BB.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)

	5165 (1ANK 295), 5164 (1ANK 290), 5261 (1ANK 10		E-4
Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements-	Y	
	Covers or lids closed except when in use		
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim	Y	
	space vents requirements		
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
	Automatic bleeder vents requirements		
63.646(l)	Storage Vessel Provisions-State or local permitting agency	Y	
	notification requirements		
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements		
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements		
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements-Reportingstorage vessels		
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements-Reportingstorage vessels		
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
(1)	status report requirements-Reportingstorage vessels		
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
	source]		
63.655(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs		
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs-document results of each seal		
	gap measurement		
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs – extension documentation		
63.655(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs – documentation of failures		
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections.		
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections – refilling Group 1 storage vessel.		
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections –Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		

438 Renewal Date: September 1, 2011

Table IV – BB.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)

5105 (TAIK 275); 5104 (TAIK 270); 5201 (TAIK 1010)			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels—keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for sources S113, S125, S261 [Basis: 2-1-234.3]	N	
BAAQMD Condition 20989, Part A	Throughput limits for sources S183, S184 [Basis: 2-1-234.3]	Y	

5210 (1 ANK 0/5A)			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8, Rule 5	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	

	5210 (TANK 075A)		Future
Applicable	D. L.C. TVA	Federally	
Requirement	Regulation Title or	Enforceable	Effective
-	Description of Requirement	(Y/N)	Date
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of	N	
0.5.110.4	Tanks in Operation; No product movement, Minimize emissions	N.T.	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of	N	
0.7.110.7	Tanks in Operation; Not to exceed 7 days		
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Self report if out of compliance during exemption		
0.5.110.6	period Limited Exemption, Preventative Maintenance and Inspection of	N	
8-5-112.6		N	
0.5.110	Tanks in Operation; Keep records for each exemption	NT.	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks	N	
	at next removal from service		
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid	N	
	surface		
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals,	N	
	lids		
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	Y	
	- Gap requirements		
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid	Y	
0 5 521.2	mounted except as provided in 8-5-305.1.3	1	

Table IV – BB.19 Source-Specific Applicable Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695A)

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	Date
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements -	N	
0-3-321.3.1	geometry of shoe	14	
8-5-321.3.3	Primary seal requirements; Metallic-shoe-type seal requirements –	N	
0-5-521.5.5	riveted tanks gap requirements	11	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.4	Secondary seal requirements; Riveted tanks	Y	
8-5-322.6		N N	
	Secondary seal requirements; extent of seal	N N	
8-5-328	Tank degassing requirements		
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	

441

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
SIP Regulation 8,	Storage of Organic Liquids (06/5//03)	(2/11)	2400
Rule 5	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	
	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		
0.7.11.7	refilling		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	Y	
0.5.111.6	Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service;	Y	
8-3-111./	Compliance with Section 8-5-328	1	
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	
0-3-112.1.1	prior notification	1	
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 per 8-5-404		
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)		
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below	Y	
0.5.220.2	liquid surface		
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers,	Y	
9 5 220 4	seals, lids Tank Fitting Requirements, Solid compling on covering well	V	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
0-3-320.0	rank ritting Kequitements, Emergency foot drain	I	

AP I.I.		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-321	Primary seal requirements	Y	
8-5-321.3	Primary seal requirements; Metallic shoe type seal requirements	Y	
8-5-321.3.1	Primary seal requirements; Metallic shoe type seal requirements	Y	
	Geometry of shoe		
8-5-321.3.3	Primary seal requirements; Metallic shoe type seal requirements: Gaps for riveted tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps	Y	
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y	
0 3 320.1.2	Concentration of <10,000 ppm as methane after degassing	1	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
0.5 401.1	and Secondary Seal Inspections	1	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
0.5 401.2	Fittings Inspections	1	
8-5-404	Certification	Y	
8-5-405	Information required	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24	Y	
	months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
40 CFR 63,	SOCMI HON G (12/21/2006)		
Subpart G	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions Reference Control Technology	Y	
(2.110/.)/1)	External floating roof	***	
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology	Y	
. / . / . /	External floating roof double seals required		
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof primary seal requirements – metallic shoe or		
	liquid-mounted		

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
() () ()	External floating roof seal requirements		
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roofMust float on liquid		
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except during initial fill		
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except after completely		
	emptied and degassed		
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology	Y	
	External floating roof Must float on liquid except when		
	completely emptied before refilling		
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology	Y	
	External Floating Roof Operations, when not floating		
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	Compliance DemonstrationExternal floating roof		
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap measurement		
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR with double seals - primary seal gap measurement – 5		
	year intervals		
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR with double seals - secondary seal gap measurement -		
	annual requirement		
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR seal inspections prior to tank refill with organic HAP		
	after not storing organic HAP for 1 year or longer		
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap determination methods		
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR seal gap determination methods – roof not resting on		
(2.120(1)(2)(")	legs	37	
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR seal gap determination methods – measure gaps around		
(2.120(h)(2)(:::)	entire circumference of seal and measure width and length of gaps	Y	
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- External FR seal gap determination methods – determine total	1	
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(3)	External FR primary seal gap calculation method – total surface area	1	
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(<i>0)</i> (¬)	External FR secondary seal gap calculation method – total surface	1	
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
	diameter. Maximum width <= 1.27 cm	(1/14)	Date
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(3)	External FR primary seal additional requirements	1	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(3)(1)	External FR primary seal additional requirements – metallic shoe	1	
	seal – shoe geometry		
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(3)(11)	External FR primary seal additional requirements – no holes, tears,	1	
	or openings		
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
00.120(0)(0)	External FR secondary seal requirements	_	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
05.120(0)(0)(1)	External FR secondary seal requirements – location and extent	_	
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
00.120(0)(0)(11)	External FR secondary seal requirements - no holes, tears or	_	
	openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
. , , ,	External FR unsafe to perform seal measurements or inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
. , , , , ,	External FR unsafe to perform seal measurements or inspect the tank		
	– complete measurements or inspection within 30 days after		
	determining roof is unsafe or comply with 63.120(b)(7)(ii)		
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR unsafe to perform seal measurements or inspect the tank		
	- empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30		
	day extensions are allowed to empty the tank. Decision to use		
	extension must be documented.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR Repairs must be made within 45 days after		
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
	must be documented.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
40.400.4100	External FR seal gap measurement 30 day notification		
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
62 120 (L) (10) (L)	External FR and seals visual inspection each time emptied	**	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
63.120(b)(10)(ii)	63.646(e)] Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(10)(11)	External FR and seal visual inspection each time emptied – 30 day	ı	
	notification		

			Future
Applicable	D 1 (* 1794)	Federally	
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
40.400415	storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
(2.122()	(date, raw data, and required calculations)	37	
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
40 CED (2 C 1 4	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (6/23/03)		
(2 (40()(2)	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS	37	
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
62.646(1)(2)	group determination	37	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
(2 (4())	method 18 to resolve disputes	37	
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
(2 (4((1)	vessels [EFRs exempt from 63.119(c)(2)]	V	
63.646(d)	Storage Vessel Provisions-References	Y Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994		
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in 63.100	Y	
(2 (4((-)	of Subpart F	Y	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with inspection requirements of 63.120 of Subpart G – Not required to	Y	
	comply with provisions for gaskets, slotted membranes, and sleeve		
	seals.		
63.646(f)	Storage Vessel Provisions-Group 1 floating roof requirements	Y	
63.646(f)(1)	Storage Vessel Provisions—Group 1 floating roof requirements—	Y	
03.040(1)(1)	Covers or lids closed except when in use	1	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim	Y	
03.040(1)(2)	space vents requirements	1	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
03.010(1)(3)	Automatic bleeder vents requirements	1	
63.646(l)	Storage Vessel Provisions-State or local permitting agency	Y	
(-)	notification requirements	_	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements	1	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
	status report requirements	_	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
· / · / · /	status report requirements-Reportingstorage vessels		

	5210 (TANK 075A)	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	Dute
03.033(1)(1)(1)(11)	status report requirements-Reportingstorage vessels	1	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance	Y	
(1)	status report requirements-Reportingstorage vessels		
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
(8)()	vessels [Information related to gaskets, slotted membranes, and		
	sleeve seals not required for storage vessels that are part of existing		
	source]		
63.655(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs		
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs-document results of each seal		
	gap measurement		
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs – extension documentation		
63.655(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage	Y	
	vessels with external floating roofs – documentation of failures		
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections.		
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections – refilling Group 1 storage vessel.		
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage	Y	
	vessel notification of inspections –Group 1 storage vessel seal gap		
	measurements – 30 day notification [can be waived or modified by		
	state or local].		
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports-	Y	
60 655 (1) (1)	Determination of Applicability	7.7	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
60 655(')(1)(')	storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
	storage vessels– keep records specified in 63.123 (Subpart G) except		
	records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources		
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for	Y	
03.033(1)(4)	storage vessels-Record retention – 5 years	Y	
	storage vessers-record retention – 5 years		
BAAQMD	Throughput limits for source S216 [Basis: 2-1-234.3]	N	
Condition 20989,	Throughput fillins for source 5210 [Dasis. 2-1-234.3]	17	
Part A			
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	N	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank in compliance at time of notification	N	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service; Filling, emptying, refilling floating roof tanks	N	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimize emissions and, if required, degas per 8-5-328	N	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self report if out of compliance during exemption period	N	
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation	N	
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Notification	N	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Tank in compliance at time of notification	N	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; No product movement, Minimize emissions	N	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Not to exceed 7 days	N	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during exemption period	N	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Keep records for each exemption	N	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal (8-5-322)	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas tight if leaking	N	

	5134 (TANK 174)	F 1 11	Future
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Effective Date
0.7.004.4.0			
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks	N	
9.5.220	at next removal from service	NI	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.3	Secondary seal requirements; Gap requirements for all tanks	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	

	S134 (TANK 194)		Future
Applicable	D 14 774	Federally	
Requirement	Regulation Title or	Enforceable	Effective
-	Description of Requirement	(Y/N)	Date
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	N	
9.5.401.2	and Secondary Seal Inspections	NI	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test	N N	
0-3-404	Reports	IN.	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks	N	
0-3-411.1	selected for enhanced monitoring program	14	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating	N	
	enhanced monitoring program		
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain	N	
	24 months		
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal	N	
	Replacement Records- Retain 10 years		
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations;	N	
	EPA method 21 Instruments		
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations;	N	
	Method 21 and tank degassing residual organic concentration		
GTD D I II O	measurement method		
SIP Regulation 8,	Storage of Organic Liquids (06/5/2003)		
Rule 5 8-5-111	Limited Exemption, Tank Removal From and Return to Service	V	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service;	Y Y	
6-3-111.1	Notice to the APCO	1	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service;	Y	
0-3-111.1.1	Notice to the APCO; 3 day prior notification	1	
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		

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO; Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification before commencement of work per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement; minimization of emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, , operation, and gas tight requirements	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320	Tank fitting requirements – Floating roof tanks	Y	
8-5-320.2	Tank fitting requirements – Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank fitting requirements – Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary seal requirements	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y	
8-5-322	Secondary seal requirements	Y	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	Y	

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Applicable		Federally	Future
Requirement	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-322.2	Secondary seal requirements; Insertion of probes	Y	
8-5-322.3	Secondary seal requirements; Seal gaps (applicable as long as	Y	
	secondary seal is not zero-gap seal as defined in 8-5-322.5)		
8-5-322.5	Secondary seal requirements; Gap for welded tanks with seal installed	Y	
	after September 4, 1985 (becomes applicable when secondary seal is		
	considered newly installed and subject to zero-gap seal gap		
	requirements)		
8-5-322.6	Secondary seal requirements; extent of seal	Y	
8-5-328	Tank degassing requirements	Y	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank degassing requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	Y	
8-5-401	Inspection Requirements for External Floating Roof Tanks	Y	
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary	Y	
	and Secondary Seal Inspections		
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank	Y	
	Fittings Inspections		
8-5-403	Inspection Requirements for Pressure Relief Devices	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	Y	
	months		
8-5-501.2	Records; Internal and External Floating Roof Tanks; Seal	Y	
	Replacement Records – Retain 10 years		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
BAAQMD	Organic Compounds, Wastewater (Oil-Water Separators)		
Regulation 8,	(9/15/2004)		
Rule 8	REQUIREMENTS FOR SLOP OIL VESSELS		
8-8-113	Exemption, Secondary Wastewater Treatment Processes and	N	
	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	Y	
	Vessels		
8-8-305.1	Standards: Oil-Water Separator and/or Air Flotation Unit Slop Oil	Y	
	Vessels – fixed cover requirements		
8-8-503	Monitoring and Records; Inspection and Records	Y	
8-8-504	Monitoring and Records; Portable Hydrocarbon Detector	Y	
8-8-603	Manual of Procedures; Inspection procedures	N	-

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP	Wastewater (Oil-Water) Separator (8/29/94)		
Regulation 8, Rule 8			
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems (segregated) are exempt from 8-8-301, 8-8-302, 8-8-306, 8-8-308	Y	
8-8-603	Manual of Procedures: Inspection Procedures	Y	
40 CFR 63, Subpart G	SOCMI HON G (12/21/2006) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except when completely emptied before refilling	Y	
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance- Compliance DemonstrationExternal floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance External FR with double seals - primary seal gap measurement – 5 year intervals	Y	

			Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	Date
03.120(0)(1)(111)	External FR with double seals - secondary seal gap measurement –	1	
	annual requirement		
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(1)(1)	External FR seal inspections prior to tank refill with organic HAP	1	
	after not storing organic HAP for 1 year or longer		
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(2)	External FR seal gap determination methods	1	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(2)(1)	External FR seal gap determination methods – roof not resting on	1	
	legs		
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(2)(11)	External FR seal gap determination methods – measure gaps around	1	
	entire circumference of seal and measure width and length of gaps		
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(2)(111)	External FR seal gap determination methods – determine total	1	
	surface area of each gap		
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(3)	External FR primary seal gap calculation method – total surface area	1	
	of primary seal gaps <= 212 cm2 per meter of vessel diameter.		
	Maximum width <= 3.81 cm		
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
03.120(0)(4)	External FR secondary seal gap calculation method – total surface	1	
	area of secondary seal gaps <= 21.2 cm2 per meter of vessel		
	diameter. Maximum width <= 1.27 cm		
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
03.120(0)(3)	External FR primary seal additional requirements	1	
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
05.120(0)(0)(1)	External FR primary seal additional requirements – metallic shoe	_	
	seal – shoe geometry		
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
***************************************	External FR primary seal additional requirements – no holes, tears,	_	
	or openings		
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
· / / /	External FR secondary seal requirements		
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
· /\-/\/	External FR secondary seal requirements – location and extent		
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
. / . / . /	External FR secondary seal requirements - no holes, tears or		
	openings		
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
. / . /	External FR unsafe to perform seal measurements or inspect the tank		
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
. / . / . /	External FR unsafe to perform seal measurements or inspect the tank		

			Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
	- complete measurements or inspection within 30 days after	,	
	determining roof is unsafe or comply with 63.120(b)(7)(ii)		
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
() () ()	External FR unsafe to perform seal measurements or inspect the tank		
	– empty and remove vessel from service within 45 days after		
	determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30		
	day extensions are allowed to empty the tank. Decision to use		
	extension must be documented.		
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR Repairs must be made within 45 days after		
	identification or empty and remove tank from service. Two 30 day		
	extensions are allowed to empty the tank. Decision to use extension		
	must be documented.		
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR seal gap measurement 30 day notification		
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seals visual inspection each time emptied		
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied – Repair		
	defects before refilling [does not apply to gaskets, slotted		
	membranes, or sleeve seals for Group 1 Refinery MACT tanks per		
	63.646(e)]		
63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied – 30 day		
	notification		
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance	Y	
	External FR and seal visual inspection each time emptied —		
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
	storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
40.400()	(date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
40 CTD (4 C)	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (6/23/03)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Ordup 1 Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
05.040(0)(1)	group determination	1	
	group determination		

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.655(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels— keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	
BAAQMD Condition 20989, Part A	Throughput limits for source S134 [Basis: 2-1-234.3]	N	

Table IV – BB.21 **Source-Specific Applicable Requirements**

EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

S91 (TANK 73), S94 (TANK 78), S99 (TANK 102), S103 (TANK 106), S120 (TANK 165), S130 (TANK 188), S131 (TANK 189), S132 (TANK 191), S136 (TANK 201), S138 (TANK 203), S141 (TANK 213), S142 (TANK 214), S143 (TANK 215), S144 (TANK 216), S145 (TANK 217), S148 (TANK 231), S149 (TANK 232), S157 (TANK 252), S162 (TANK 262), S164 (TANK 264), S165 (TANK 265), S166 (TANK 266), S167 (TANK 268), S168 (TANK 269), S169 (TANK 270), S171 (TANK 273), S172 (TANK 279), S173 (TANK 280), S174 (TANK 281), S179 (TANK 291), S180 (TANK 292), S187 (TANK 299), S191 (TANK 303), S192 (TANK 304), S202 (TANK 521), S204 (TANK 528), S205 (TANK 529), S206 (TANK 530), S207 (TANK 531), S209 (TANK 674), S224 (TANK 746), S225 (TANK 747), S226 (TANK 748), S227 (TANK 749), S228 (TANK 750), S229 (TANK 751), S230 (TANK 752), S231 (TANK 753), S236 (TANK 770), S237 (TANK 771), S239 (TANK 212), 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	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
Tanks S168, S173, a	and S174 will be subject to the requirements in this table until they are cont	trolled by A7, C	Odor
	S168 will be subject to the requirements in Table IV-15a when controlled	by A7. S173 a	nd S174
	e requirements in Table IV-4 when controlled by A7.		
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP	Organic Compounds, Storage of Organic Liquids (6/05/03)		
Regulation 8,	EXEMPT		
Rule 5		***	
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63,	SOCMI HON G (12/21/06)		
Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
	storage vessels comply only with recordkeeping requirements in 63.123(a)		
63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
03.123(u)	only required to keep tank dimensions and capacity analysis. Retain for	1	
	life of source.		
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group	Y	
	determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18	Y	
	to resolve disputes		
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
	Determination of Applicability		

Table IV – BB.21 Source-Specific Applicable Requirements

EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING

\$91 (Tank 73), \$94 (Tank 78), \$99 (Tank 102), \$103 (Tank 106), \$120 (Tank 165), \$130 (Tank 188), \$131 (Tank 189), \$132 (Tank 191), \$136 (Tank 201), \$138 (Tank 203), \$141 (Tank 213), \$142 (Tank 214), \$143 (Tank 215), \$144 (Tank 216), \$145 (Tank 217), \$148 (Tank 231), \$149 (Tank 232), \$157 (Tank 252), \$162 (Tank 262), \$164 (Tank 264), \$165 (Tank 265), \$166 (Tank 266), \$167 (Tank 268), \$168 (Tank 269), \$169 (Tank 270), \$171 (Tank 273), \$172 (Tank 279), \$173 (Tank 280), \$174 (Tank 281), \$179 (Tank 291), \$180 (Tank 292), \$187 (Tank 299), \$191 (Tank 303), \$192 (Tank 304), \$202 (Tank 521), \$204 (Tank 528), \$205 (Tank 529), \$206 (Tank 530), \$207 (Tank 531), \$209 (Tank 674), \$224 (Tank 746), \$225 (Tank 747), \$226 (Tank 748), \$227 (Tank 749), \$228 (Tank 750), \$229 (Tank 751), \$230 (Tank 752), \$231 (Tank 753), \$236 (Tank 770), \$237 (Tank 771), \$239 (Tank 212), \$240 (Tank 774), \$241 (Tank 775), \$260 (Tank 1009), \$262 (Tank 1011), \$263 (Tank 1012), \$266

(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
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.655(i)(1) (iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition 20989	Applies to S239		
Part 1	Throughput limit	N	

Table IV – BB.22 Source-Specific Applicable Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S175 (TANK 284)

	5173 (TANK 204)	Endowally	Future
Applicable	Regulation Title or	Federally Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	General Provisions and Definitions (7/9/08)	(1/11)	Dute
Regulation 1	General 110 (actions and 2 community (175100)		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	7/5/09
1-523.1	Parametric monitor periods of inoperation	Y	7/5/09
1-523.2	Limits on periods of inoperation	Y	7/5/09
1-523.3	Reports of Violations	N	7/5/09
1-523.4	Records	Y	7/5/09
1-523.5	Maintenance and calibration	N	7/5/09
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	\mathbf{Y}^{1}	7/5/09
1-523.3	Reports of Violations	\mathbf{Y}^{1}	7/5/09
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP	Organic Compounds, Storage of Organic Liquids (6/05/03)		
Regulation 8,	EXEMPT		
Rule 5		***	
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/03) EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD	Exemption for emission points routed to fuel gas system	1	
Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD			
Condition 23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring devicea by 7/5/09. [2-1-403]	Y	7/5/09
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4b	Tank pressures for other tanks [2-1-403]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	

460 Renewal Date: September 1, 2011

Table IV – BB.22 Source-Specific Applicable Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S175 (TANK 284)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 7	Pressure monitoring records [2-1-403]	Y	
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	7/5/09
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	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 – BB.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 (10/18/06) EXEMPT		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	Storage of Organic Liquids (06/05/03) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 63,	SOCMI HON G (12/21/06)		
Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2 storage vessels comply only with recordkeeping requirements in 63.123(a)	Y	
63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels only required to keep tank dimensions and capacity analysis. Retain for life of source.	Y	
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/03) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	

Table IV – BB.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
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
Rule 5	TANKS		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	N	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service;	N	
	Tank in compliance at time of notification		
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service;	N	
	Filling, emptying, refilling floating roof tanks		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimize emissions and, if required, degas per 8-5-328		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service;	N	
	Self report if out of compliance during exemption period		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation		
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of	N	
	Tanks in Operation; Notification		
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of	N	
0.5.110.0	Tanks in Operation; Tank in compliance at time of notification		
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of	N	
0.5.110.4	Tanks in Operation; No product movement, Minimize emissions	N.T.	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of	N	
0.5.110.5	Tanks in Operation; Not to exceed 7 days	N.T	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks in Operation; Self report if out of compliance during	N	
	exemption period		
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of	N	
0-3-112.0	Tanks in Operation; Keep records for each exemption	11	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring	N	
0-3-117	Program	11	
8-5-301	Storage Tank Control Requirements	N	
8-5-304	Requirements for External Floating Roof Tanks	N	
8-5-304.1	Requirements for External Floating Roofs; Tank fittings	Y	
8-5-304.2	Requirements for External Floating Roofs; Primary seal (8-5-321)	Y	
8-5-304.3	Requirements for External Floating Roofs; Secondary seal	Y	
0 0 00 1.0	(8-5-322)	1	
8-5-304.4	Requirements for External Floating Roofs; Floating roof	N	
8-5-304.5	Requirements for External Floating Roofs; Tank shell	N	
8-5-304.6	Requirements for External Floating Roofs; Pontoons – no leaks	N	
8-5-304.6.1	Requirements for External Floating Roofs; Pontoons – make gas	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
	tight if leaking		
8-5-304.6.2	Requirements for External Floating Roofs; Pontoons-repair all leaks at next removal from service	N	
8-5-320	Floating Roof Tank Fitting Requirements	N	
8-5-320.2	Floating Roof Tank Fitting Requirements; Projection below liquid surface	N	
8-5-320.3	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids	N	
8-5-320.3.1	Floating Roof Tank Fitting Requirements; Gasketed covers, seals, lids - Gap requirements	Y	
8-5-320.4	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells	N	
8-5-320.4.1	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellsprojection below liquid surface	Y	
8-5-320.4.2	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wellscover, seal, or lid	Y	
8-5-320.4.3	Floating Roof Tank Fitting Requirements; Solid sampling or gauging wells total secondary seal gap must include well gap	Y	
8-5-320.6	Floating Roof Tank Fitting Requirements; emergency roof drains must be 90% covered	N	
8-5-321	Primary seal requirements	N	
8-5-321.1	Primary seal requirements; No holes, tears, or other openings	Y	
8-5-321.2	Primary seal requirements; The seal shall be metallic shoe or liquid mounted except as provided in 8-5-305.1.3	Y	
8-5-321.3	Primary seal requirements; Metallic-shoe-type seal requirements	N	
8-5-321.3.1	Primary seal requirements; Metallic-shoe-type seal requirements - geometry of shoe	N	
8-5-321.3.2	Primary seal requirements; Metallic-shoe-type seal requirements - welded tanks gap requirements	N	
8-5-322	Secondary seal requirements	N	
8-5-322.1	Secondary seal requirements; No holes, tears, or other openings	N	
8-5-322.2	Secondary seal requirements; Insertion of probes	N	
8-5-322.5	Secondary seal requirements; Gap requirements for welded external floating roof tanks with seal installed after September 4, 1985	N	
8-5-322.6	Secondary seal requirements; extent of seal	N	
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	
8-5-401	Inspection Requirements for External Floating Roof Tanks	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-401.1	Inspection Requirements for External Floating Roof Tanks; Primary and Secondary Seal Inspections	N	
8-5-401.2	Inspection Requirements for External Floating Roof Tanks; Tank Fittings Inspections	N	
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks selected for enhanced monitoring program	N	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-412	Monitoring of Leaking Pontoons	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP-Retain 24 months	N	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records- Retain 10 years	N	
8-5-501.3	Records; Retention	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/03)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service, Notification	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service, Notification, 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service, Notification, Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service, Tank in compliance prior to notification	Y	
8-5-111.3	Limited Exemption, Tank Removal From and Return to Service, Floating roof tanks	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service,	Y	
	Minimize emissions		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service, Notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service, Satisfy requirements of 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation, Notification	Y	
8-5-112.1.1	Limited Exemption, Tanks in Operation, Notification, 3 day prior notification	Y	
8-5-112.1.2	Limited Exemption, Tanks in Operation, Notification, Telephone notification	Y	
8-5-112.2	Limited Exemption, Tanks in Operation, Tank in compliance prior to start of work. Certified per 8-5-404	Y	
8-5-112.3	Limited Exemption, Tanks in Operation, No product movement, Minimize emissions	Y	
8-5-112.4	Limited Exemption, Tanks in Operation, Not to exceed 7 days	Y	
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-304	Requirements for External Floating Roofs	Y	
8-5-304.4	Requirements for External Floating Roofs; Floating roof requirements	Y	
8-5-320.2	Tank Fitting Requirements; Floating roof tanks, Projection below liquid surface	Y	
8-5-320.3	Tank Fitting Requirements; Floating roof tanks, Gasketed covers, seals, lids	Y	
8-5-320.4	Tank Fitting Requirements; Solid sampling or gauging well requirements in floating roof tanks	Y	
8-5-320.6	Tank Fitting Requirements; Emergency roof drain	Y	
8-5-321	Primary Seal Requirements	Y	
8-5-321.3	Primary Seal Requirements; Metallic-shoe-type seal requirements	Y	
8-5-321.3.1	Primary Seal Requirements; Metallic-shoe-type seal requirements- geometry of shoe	Y	
8-5-321.3.2	Primary Seal Requirements; Metallic-shoe-type seal requirements- welded tanks	Y	
8-5-322	Secondary Seal Requirements	Y	
8-5-322.1	Secondary Seal Requirements; No holes, tears, other openings	Y	
8-5-322.2	Secondary Seal Requirements; Insertion of probes	Y	
8-5-322.5	Secondary Seal Requirements; Melded external floating roof tanks with seals installed after 9/4/1985 or welded internal floating roof tanks with seals installed after 2/1/1993	Y	
8-5-322.6	Secondary Seal Requirements; Extent of seal	Y	
8-5-328	Tank Degassing Requirements	Y	

Table IV – BB.23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
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, type of blanket gas, TVP - Retain 24 months	Y	
8-5-501.2	Records; Internal and External Floating Roof Tanks, Seal Replacement Records - Retain 10 years	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
40 CFR 63, Subpart G	SOCMI HON G (12/21/06) REQUIREMENTS FOR EXTERNAL FLOATING ROOF TANKS		
63.119(a)	Storage Vessel Provisions Reference Control Technology	Y	
63.119(a)(1)	Storage Vessel Provisions Reference Control TechnologyGroup 1, TVP < 76.6 kPa	Y	
63.119(c)	Storage Vessel Provisions Reference Control Technology External floating roof	Y	
63.119(c)(1)	Storage Vessel Provisions Reference Control Technology External floating roof seals	Y	
63.119(c)(1)(i)	Storage Vessel Provisions Reference Control Technology External floating roof double seals required	Y	
63.119(c)(1)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof primary seal requirements – metallic shoe or liquid-mounted	Y	
63.119(c)(1)(iii)	Storage Vessel Provisions Reference Control Technology External floating roof seal requirements	Y	
63.119(c)(3)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid	Y	
63.119(c)(3)(i)	Storage Vessel Provisions Reference Control Technology External floating roofMust float on liquid except during initial fill	Y	
63.119(c)(3)(ii)	Storage Vessel Provisions Reference Control Technology External floating roof Must float on liquid except after completely emptied and degassed	Y	

Table IV – BB.23B Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF TANKS SUBJECT TO MACT RECORDKEEPING (NOTE 2) BUT WITH GROUP I MACT FLEXIBILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.119(c)(3)(iii)	Storage Vessel Provisions Reference Control Technology- External floating roof Must float on liquid except when completely emptied before refilling	Y	
63.119(c)(4)	Storage Vessel Provisions Reference Control Technology External Floating Roof Operations, when not floating	Y	
63.120(b)	Storage Vessel Provisions Procedures to Determine Compliance- -Compliance DemonstrationExternal floating roof	Y	
63.120(b)(1)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap measurement	Y	
63.120(b)(1)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR with double seals - primary seal gap measurement – 5 year intervals	Y	
63.120(b)(1)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR with double seals - secondary seal gap measurement – annual requirement	Y	
63.120(b)(1)(iv)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal inspections prior to tank refill with organic HAP after not storing organic HAP for 1 year or longer	Y	
63.120(b)(2)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods	Y	
63.120(b)(2)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – roof not resting on legs	Y	
63.120(b)(2)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – measure gaps around entire circumference of seal and measure width and length of gaps	Y	
63.120(b)(2)(iii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR seal gap determination methods – determine total surface area of each gap	Y	
63.120(b)(3)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal gap calculation method – total surface area of primary seal gaps <= 212 cm2 per meter of vessel diameter. Maximum width <= 3.81 cm	Y	
63.120(b)(4)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal gap calculation method – total surface area of secondary seal gaps <= 21.2 cm2 per meter of vessel diameter. Maximum width <= 1.27 cm	Y	
63.120(b)(5)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements	Y	

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 Enforce- able (Y/N)	Future Effective Date
63.120(b)(5)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements – metallic shoe seal – shoe geometry	Y	
63.120(b)(5)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR primary seal additional requirements – no holes, tears, or openings	Y	
63.120(b)(6)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements	Y	
63.120(b)(6)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements – location and extent	Y	
63.120(b)(6)(ii)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR secondary seal requirements - no holes, tears or openings	Y	
63.120(b)(7)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank	Y	
63.120(b)(7)(i)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR unsafe to perform seal measurements or inspect the tank – complete measurements or inspection within 30 days after determining roof is unsafe or comply with 63.120(b)(7)(ii)	Y	
63.120(b)(7)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-External FR unsafe to perform seal measurements or inspect the tank – empty and remove vessel from service within 45 days after determining roof is unsafe or comply with 63.120(b)(7)(i). Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(8)	Storage Vessel Provisions Procedures to Determine Compliance External FR Repairs must be made within 45 days after identification or empty and remove tank from service. Two 30 day extensions are allowed to empty the tank. Decision to use extension must be documented.	Y	
63.120(b)(9)	Storage Vessel Provisions Procedures to Determine Compliance External FR seal gap measurement 30 day notification	Y	
63.120(b)(10)	Storage Vessel Provisions Procedures to Determine Compliance- -External FR and seals visual inspection each time emptied	Y	
63.120(b)(10)(i)	Storage Vessel Provisions Procedures to Determine 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 63.646(e)]	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)

	Description (Tital)	Federally Enforce-	Future
Applicable Paguiroment	Regulation Title or Description of Requirement	able	Effective Date
Requirement 63.120(b)(10)(ii)	Storage Vessel Provisions Procedures to Determine Compliance-	(Y/N) Y	Date
03.120(0)(10)(11)	- External FR and seal visual inspection each time emptied – 30 day	1	
	notification		
63.120(b)(10)(iii)	Storage Vessel Provisions Procedures to Determine Compliance-	Y	
*******	- External FR and seal visual inspection each time emptied —	_	
	Notification for unplanned		
63.123(a)	Storage Vessel Provisions RecordkeepingGroup 1 and Group 2	Y	
, ,	storage vessel dimensions and capacity. Keep for life of source.		
63.123(d)	Storage Vessel Provisions RecordkeepingGroup 1 External	Y	
	floating roof tank requirements - records of seal gap measurements		
	(date, raw data, and required calculations)		
63.123(g)	Storage Vessel Provisions Recordkeeping, Extensions for	Y	
	emptying storage vessel – keep documentation specified		
40 CFR 63, Subpart	National Emission Standards for Hazardous Air Pollutants for		
CC	Petroleum Refineries (6/23/03)		
	REQUIREMENTS FOR EXTERNAL FLOATING ROOF		
	TANKS		
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y	
63.646(a)	Storage Vessel Provisions-Group 1	Y	
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for	Y	
	group determination		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-	Y	
	method 18 to resolve disputes		
63.646(c)	Storage Vessel Provisions—63 Subpart G exclusions for storage	Y	
	vessels [EFRs exempt from 63.119(c)(2)]		
63.646(d)	Storage Vessel Provisions-References	Y	
63.646(d)(2)	Storage Vessel Provisions-References to April 22,1994	Y	
63.646(d)(3)	Storage Vessel Provisions-References to December 31, 1992	Y	
63.646(d)(4)	Storage Vessel Provisions-References to compliance dates in	Y	
(2) (1) (1)	63.100 of Subpart F	**	
63.646(e)	Storage Vessel Provisions—Exceptions for compliance with	Y	
	inspection requirements of 63.120 of Subpart G – Not required to		
	comply with provisions for gaskets, slotted membranes, and sleeve		
62 646(f)	seals. Storage Vessel Provisions-Group 1 floating roof requirements	V	
63.646(f)	Storage Vessel Provisions—Group 1 floating roof requirements Storage Vessel Provisions—Group 1 floating roof requirements—	Y Y	
63.646(f)(1)	Covers or lids closed except when in use	I I	
63.646(f)(2)	Storage Vessel Provisions-Group 1 floating roof requirements-Rim	Y	
03.040(1)(2)	space vents requirements	'	
63.646(f)(3)	Storage Vessel Provisions-Group 1 floating roof requirements-	Y	
03.040(1)(3)	Automatic bleeder vents requirements	'	
	Tratomatic ofecaer vents 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 Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.646(l)	Storage Vessel Provisions-State or local permitting agency notification requirements	Y	
63.655(f)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements	Y	
63.655(f)(1)(i)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.655(f)(1)(i)(A)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.655(f)(1)(i)(A) (1)	Reporting and Recordkeeping Requirements-Notice of compliance status report requirements-Reportingstorage vessels	Y	
63.655(g)	Periodic Reporting and Recordkeeping Requirements	Y	
63.655(g)(1)	Periodic Reporting and Recordkeeping Requirements-storage vessels [Information related to gaskets, slotted membranes, and sleeve seals not required for storage vessels that are part of existing source]	Y	
63.655(g)(3)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs	Y	
63.655(g)(3)(i)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs-document results of each seal gap measurement	Y	
63.655(g)(3)(ii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – extension documentation	Y	
63.655(g)(3)(iii)	Periodic Reporting and Recordkeeping Requirements-storage vessels with external floating roofs – documentation of failures	Y	
63.655(h)(2)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections.	Y	
63.655(h)(2)(i)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections – refilling Group 1 storage vessel.	Y	
63.655(h)(2)(ii)	Reporting and Recordkeeping Requirements-Other reports-Storage vessel notification of inspections –Group 1 storage vessel seal gap measurements – 30 day notification [can be waived or modified by state or local].	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – keep records specified in 63.123 (Subpart G)	Y	

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

IV. Source Specific Applicable 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 Requirement	Regulation Title or Description of Requirement	Federally Enforce- able (Y/N)	Future Effective Date
63.655(i)(1)(i)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels– keep records specified in 63.123 (Subpart G) except records related to gaskets, slotted membranes, and sleeve seals for vessels in existing sources	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements—Recordkeeping for storage vessels-Record retention – 5 years	Y	

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

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8,	Storage of Organic Liquids (06/05/03)		
Rule 5	EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart K	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (10/17/2000)		
60.110(a)	Applicability and Designation of Affected Facility; Affected facility	Y	
60.110(c)(2)	Applicability and Designation of Affected Facility>65,000 gal after 6/11/1973 and before 5/19/1978.	Y	

Table IV – BB.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	Enforceable (Y/N)	Date
40 CFR 63,	SOCMI HON G (12/21/06)	(1/11)	Date
Subpart G	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.119(a)(3)	Storage Vessel Provisions – Reference Control Technology – Group 2	Y	
	storage vessels comply only with recordkeeping requirements in 63.123(a)		
63.123(a)	Storage Vessel Provisions – Recordkeeping – Group 2 storage vessels	Y	
	only required to keep tank dimensions and capacity analysis. Retain for		
	life of source.		
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/03)		
(2 (40(-)(2)	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY	Y	
63.640(c)(2) 63.640(n)	Applicability and Designation of Storage Vessels Applicability and Designation of Affected Source Overlap for Storage	Y	
. ,	Vessels		
63.640(n)(7)	Applicability and Designation of Affected Source Overlap for Storage	Y	
	Vessels—Group 2 storage vessel subject to NSPS, Subparts K or Ka		
	but exempt from control requirements of NSPS, Subparts K or Ka is		
	required to comply only with 63 Subpart CC		
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports-	Y	
(2 (55(1)(6)('')	Determination of Applicability	N/	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 63.123	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for	Y	
(iv)	storage vessels – Data and assumptions used to determine Group 2		
	classification		
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord	Y	
	retention – 5 years		
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	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 – BB.25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

	(TANK 300), \$189 (TANK 301), \$190 (TANK 302), \$253 (,	Future
Applicable	D. J. d. Wild	Federally	
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/2006)		
Regulation 8,	REQUIREMENTS FOR PRESSURE TANKS		
Rule 5			
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service,	N	
	Notification		
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Tank	N	
	in compliance at time of notification		
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use	N	
	vapor recovery during filling and emptying tanks so equipped		
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service;	N	
	Minimize emissions and, if required, degas per 8-5-328		
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Self	N	
	report if out of compliance during exemption period		
8-5-112	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
	in Operation		
8-5-112.1	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
0 0 112.1	in Operation; Notification	1,	
8-5-112.2	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
0 3 112.2	in Operation; Tank in compliance at time of notification	1,	
8-5-112.3	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
0 3 112.3	in Operation; No product movement, Minimize emissions	1,	
8-5-112.4	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
0 3 112.4	in Operation; Not to exceed 7 days	11	
8-5-112.5	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
0-3-112.3	in Operation; Self report if out of compliance during exemption period	11	
8-5-112.6	Limited Exemption, Preventative Maintenance and Inspection of Tanks	N	
6-3-112.0	in Operation; Keep records for each exemption	11	
8-5-119	Limited Exemption, Repair Period for Enhanced Monitoring Program	N	
8-5-301		N N	
	Storage Tank Control Requirements		
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Gas tight requirement	N	
8-5-307	Requirements for fixed roof tanks, pressure tanks and blanketed tanks	N	
8-5-307.1	Requirements for fixed roof tanks, pressure tanks and blanketed tanks;	N	
	no liquid leakage through shell		
8-5-307.2	Requirements for fixed roof tanks, pressure tanks and blanketed tanks;	N	
	Pressure tank working pressure		
8-5-307.3	Requirements for fixed roof tanks, pressure tanks and blanketed tanks;	N	
	Pressure tanks and blanketed tanks PRD requirements		
8-5-328	Tank degassing requirements	N	
8-5-328.1	Tank degassing requirements; Tanks > 75 cubic meters	N	
8-5-328.2	Tank degassing requirements; Ozone Excess Day Prohibition	N	
8-5-328.3	Tank degassing requirements; BAAQMD notification required	N	

Table IV – BB.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
8-5-403	Inspection Requirements for Pressure Relief Devices	N	Dute
8-5-404	Inspection, Abatement Efficiency Determination, and Source Test Reports	N	
8-5-411	Enhanced Monitoring Program (Optional)	N	
8-5-411.1	Enhanced Monitoring Program (Optional); Notify BAAQMD of tanks	N	
8-3-411.1	selected for enhanced monitoring program	IN	
8-5-411.2	Enhanced Monitoring Program (Optional); Criteria for operating enhanced monitoring program	N	
8-5-411.3	Enhanced Monitoring Program (Optional); Performance requirements	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amount of liquid, type of blanket gas, TVP- Retain 24 monhts	N	
8-5-501.3	Records; Retention	N	
8-5-501.4	Records; New pressure vacuum valve setpoints	N	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability Based on True Vapor Pressure	Y	
8-5-605	Measurement of Leak Concentration and Residual Concentrations	N	
8-5-605.1	Measurement of Leak Concentration and Residual Concentrations; EPA method 21 Instruments	N	
8-5-605.2	Measurement of Leak Concentration and Residual Concentrations; Method 21 and tank degassing residual organic concentration measurement method	N	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (06/05/03)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-111.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO	Y	
8-5-111.1.1	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; 3 day prior notification	Y	
8-5-111.1.2	Limited Exemption, Tank Removal From and Return to Service; Notice to the APCO; Telephone notification	Y	
8-5-111.2	Limited Exemption, Tank Removal From and Return to Service; Compliance before notification	Y	
8-5-111.4	Limited Exemption, Tank Removal From and Return to Service; Use of vapor recovery	Y	
8-5-111.5	Limited Exemption, Tank Removal From and Return to Service; Minimization of emissions	Y	
8-5-111.6	Limited Exemption, Tank Removal From and Return to Service; Written notice of completion not required	Y	
8-5-111.7	Limited Exemption, Tank Removal From and Return to Service; Compliance with Section 8-5-328	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-112.1	Limited Exemption, Tanks in Operation; Notice to the APCO	Y	

Table IV – BB.25 Source-Specific Applicable Requirements EXEMPT BUTANE SPHERES

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-5-112.1.1	Limited Exemption, Tanks in Operation; Notice to the APCO; 3 day	Y	2400
0 0 112.111	prior notification		
8-5-112.1.2	Limited Exemption, Tanks in Operation; Notice to the APCO;	Y	
	Telephone notification		
8-5-112.2	Limited Exemption, Tanks in Operation; Compliance and certification	Y	
	before commencement of work per 8-5-404		
8-5-112.3	Limited Exemption, Tanks in Operation; No product movement;	Y	
	minimization of emissions		
8-5-112.4	Limited Exemption, Tanks in Operation; Exemption does not exceed 7	Y	
	days		
8-5-301	Storage Tank Control Requirements (internal floating roof, external	Y	
	floating roof, or approved emission control system)		
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, operation,	Y	
	and gas tight requirements		
8-5-307	Requirements for Pressure Tanks and Blanketed Tanks	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Tank Degassing Requirements; Tanks > 75 cubic meters	Y	
8-5-328.1.2	Tank Degassing Requirements; Tanks > 75 cubic meters;	Y	
	Concentration of <10,000 ppm as methane after degassing		
8-5-328.2	Tank degassing requirements; Ozone excess day prohibition	Y	
8-5-403	Inspection Requirements for Pressure Relief Devices	Y	
8-5-404	Certification	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; blanket gas; true vapor pressure;	Y	
	Retain 24 months		
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
40 CFR 60,	Standards of Performance for Storage Vessels for Volatile Organic		
Subpart Kb	Liquid Storage Vessels for Which Construction, Reconstruction, or		
	Modification Commenced After July 23, 1984 (10/15/2003)		
	EXEMPTION FOR PRESSURE TANKS		
60 1101 (1) (2)	(applies to S188 only)	***	
60.110b(d)(2)	Exemption for pressure vessels designed to operate in excess of 204.9	Y	
40 CED (2	kPa and without emissions to the atmosphere.		
40 CFR 63,	National Emission Standards for Hazardous Air Pollutants for		
Subpart CC	Petroleum Refining (6/23/2003)		
62.640(5)(2)	EXEMPTION FOR TANKS VENTED TO FUEL GAS SYSTEM	V	
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y Y	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	

Table IV – BB.26 Source-Specific Applicable Requirements OLD MACT TANK < 5,000 GALLONS S507 (TANK 21, FPLH RECOVERY TANK)

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 (10/18/06) REQUIREMENTS FOR FIXED ROOF TANKS		
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	N	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	N	
8-5-403	Inspection Requirements for Pressure Relief Devices	N	
8-5-501	Records	N	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	N	
8-5-501.3	Records retained for 24 months	N	
8-5-501.4	Engineering data sheets showing setpoints for pressure vacuum valves installed after 6/1/07	N	
8-5-602	Analysis of Samples, True Vapor Pressure	N	
8-5-604	Determination of Applicability Based on True Vapor Pressure	N	
8-5-605	Measurement of Leak Concentrations and Residual Concentrations	N	
SIP	Organic Compounds, Storage of Organic Liquids (6/5/03)		
Regulation 8,			
Rule 5			
8-5-301	Storage Tank Control Requirements (internal floating roof, external floating roof, or approved emission control system)	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Requirements for Pressure Vacuum Valves; Set pressure	Y	
8-5-303.2	Requirements for Pressure Vacuum Valves; Installation, maintenance, operation	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-501	Records	Y	
8-5-501.1	Records; Type and amounts of liquid; true vapor pressure; Retain 24 months	Y	
8-5-503	Portable hydrocarbon detector	Y	
8-5-602	Analysis of Samples, True Vapor Pressure	Y	
8-5-604	Determination of Applicability	Y	
8-5-605	Pressure Vacuum Valve Gas Tight Determination	Y	
NESHAPS Title 40	National Emission Standards for Hazardous Air Pollutants		
Part 63 Subpart	Organic Liquids Distribution (2/3/2004)		
EEEE	EXEMPTION FOR TANKS < 5,000 gal.		
40 CFR 63.2334(a)	Affected sources.	Y	
40 CFR 63.2343	Exemption for sources not requiring control. Exempt from any other notification, recordkeeping, or reporting sections in Subpart EEEE.	Y	

Table IV – BB.26 Source-Specific Applicable Requirements OLD MACT TANK < 5,000 GALLONS S507 (TANK 21, FPLH RECOVERY TANK)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR 63.2343(a)	Exemption from control requirements for tanks with capacity < 5,000 gallons. Documentation of capacity required.	Y	
BAAQMD Condition 24532			
Part 1	Material stored TVP < 11 psia. [cumulative increase, offsets, 8-5-301]	Y	
Part 2	Requirement for pressure vacuum valve. [8-5-303.1]	Y	
Part 3	Throughput less than 9,883 gallons in any 12 consecutive months. [cumulative increase, offsets]	Y	
Part 4	POC emission less than 218 pounds in any 12 consecutive months. [cumulative increase, offsets]	Y	
Part 5	Retain records of monthly throughput. [Cumulative increase, recordkeeping]	Y	

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

Thin acc, Thin acc			
Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	General Provisions and Definitions (7/9/08)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	7/5/09
1-523.1	Parametric monitor periods of inoperation	Y	7/5/09
1-523.2	Limits on periods of inoperation	Y	7/5/09
1-523.3	Reports of Violations	N	7/5/09
1-523.4	Records	Y	7/5/09
1-523.5	Maintenance and calibration	N	7/5/09
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y^1	7/5/09
1-523.3	Reports of Violations	\mathbf{Y}^{1}	7/5/09
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	Storage of Organic Liquids (06/05/03) EXEMPT		
Kuie 5	EAEMIT I		

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

	1ANK 255, 1ANK 250		Future
Applicable	D 1.4' T'41	Federally	
Requirement	Regulation Title or	Enforceable	Effective
	Description of Requirement	(Y/N)	Date
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60, Subpart	Standards of Performance for Storage Vessels for Volatile		
Kb	Organic Liquid Storage Vessels for Which Construction,		
	Reconstruction, or Modification Commenced After July 23, 1984		
	(10/15/2003)		
(0.110k/-)	REQUIREMENTS FOR RECORDKEEPING ONLY Applicability and Designation of Affected Facility; Volatile organic	Y	
60.110b(a)	liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
(0.110k/-)		Y	
60.110b(c)	Applicability and Designation of Affected Facility; Exemptions for	Y	
(0.11(h/-)	storage vessels > or = to 75 cu m	V	
60.116b(a)	Monitoring of Operations; Record retention	Y	
60.116b(b)	Monitoring of Operations; Permanent record requirements	Y	
60.116b(e)	Monitoring of Operations; Determine TVP	Y	
60.116b(e)(3)	Monitoring of Operations; Determine TVP-other liquids	Y	
60.116b(f)	Monitoring of Operations; Waste storage tanks (indeterminate or	Y	
70.44.71 ()	variable composition)		
60.116b(g)	Monitoring of Operations; Exemption from 60.116b(c) and	Y	
	60.116b(d) for tanks with closed vent system and control device		
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (6/23/03) REQUIREMENTS FOR EMISSION POINTS ROUTED TO FUEL GAS		
63.640(c)(3)	Wastewater streams and treatment operations associated with	Y	
	petroleum refining process units meeting the criteria of section 63.640(a)	_	
63.640(d)(5)	Exemption for emission points routed to fuel gas system	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition			
23724			
Part 1a	Requirement for abatement by A7, Odor Abatement System [2-1-403]	Y	
Part 2	Requirement for utility-grade natural gas blanket [2-1-403]	Y	
Part 3	Requirement for pressure monitoring device for S137 by 7/5/09. [2-1-403]	Y	7/5/09
Part 4	After pressure monitoring devices are installed, requirement to operate below tank set pressure [2-1-403]	Y	
Part 4b	Tank pressures for other tanks [2-1-403]	Y	
Part 5	Pressure relief valve setting at or above nominal set pressure	Y	
Part 6	Corrective Plan	Y	
Part 7	Pressure monitoring records [2-1-403]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 8	Initial date for reporting pressures in excess of nominal set pressure	Y	7/5/09
Part 9	Compliance with nuisance and odor regulations [1-301, 7-301, 7-302]	Y	

Table IV – BB.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
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT		
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (6/05/03) EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/2003)		
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y	
60.110b(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y	
40 CFR 60, Subpart QQQ	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems (10/17/2000) REQUIREMENTS FOR FIXED ROOF TANKS NOT ROUTED TO FUEL GAS		
60.690(a)(1)	Applicability and Designation of Affected Facility	Y	
60.690(a)(3)	Applicability and Designation of Affected Facility	Y	
60.692-1	Standards: General	Y	
60.692-1(a)	Standards: General	Y	
60.692-1(b)	Standards: General	Y	
60.692-3	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)	Standards: Oil-Water Separators (includes storage vessels)	Y	

Table IV – BB.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
60.692-3(a)(1)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(2)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(3)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(4)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(a)(5)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-3(f)	Standards: Oil-Water Separators (includes storage vessels)	Y	
60.692-6	Standards: Delay of Repair	Y	
60.692-6(a)	Standards: Delay of Repair	Y	
60.692-6(b)	Standards: Delay of Repair	Y	
60.697	Recordkeeping Requirements	Y	
60.697(a)	Recordkeeping Requirements	Y	
60.697(c)	Recordkeeping Requirements	Y	
60.697(e)(1)	Recordkeeping Requirements	Y	
60.697(e)(2)	Recordkeeping Requirements	Y	
60.697(e)(3)	Recordkeeping Requirements	Y	
60.697(e)(4)	Recordkeeping Requirements	Y	
60.697(f)(1)	Recordkeeping Requirements	Y	
60.697(f)(2)	Recordkeeping Requirements	Y	
60.698(c)	Reporting Requirements	Y	
40 CFR 63, Subpart	National Emission Standards for Hazardous Pollutants for	_	
CC	Petroleum Refining (6/23/2003)		
	REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY		
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y	
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y	
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y	
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y	
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y	
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y	
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y	
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement		Future le Effective Date	
BAAQMD Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (10/18/06) EXEMPT			
8-5-117	Limited Exemption, Low Vapor Pressure	N		
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (6/5/03) EXEMPT			
8-5-117	Exemption, Low Vapor Pressure	Y		
40 CFR 60, Subpart Kb	Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (10/15/2003)			
60.110b(a)	Applicability and Designation of Affected Facility; Volatile organic liquid storage vessels > or = to 40 cu m, after 7/23/1984	Y		
60.110b(b)	Applicability and Designation of Affected Facility – Exemption for low vapor pressure; NSPS Kb does not apply to vessels with capacity > 151 cu m and TVP < 3.5 kPa or to vessels with capacity >= 75 cu m and <= 151 cu m and TVP < 15.0 kPa	Y		
40 CFR 63, Subpart CC	National Emission Standards for Hazardous Air Pollutants for Petroleum Refining (6/23/2003) REQUIREMENTS FOR GROUP 2 RECORDKEEPING ONLY			
63.640(c)(2)	Applicability and Designation of Storage Vessels	Y		
63.646(b)(1)	Storage Vessel Provisions-Determine stored liquid % OHAP for group determination	Y		
63.646(b)(2)	Storage Vessel Provisions-Determine stored liquid % OHAP-method 18 to resolve disputes	Y		
63.655(h)(6)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y		
63.655(h)(6)(ii)	Reporting and Recordkeeping Requirements-Other reports- Determination of Applicability	Y		
63.655(i)(1)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Keep records specified in 40 CFR 63.123	Y		
63.655(i)(1)(iv)	Reporting and Recordkeeping Requirements-Recordkeeping for storage vessels – Data and assumptions used to determine Group 2 classification	Y		
63.655(i)(4)	Reporting and Recordkeeping Requirements-RecordkeepingRecord retention – 5 years	Y		
BAAQMD Condition 20773				
Part 1	Requirement to verify exempt status of tank based on true vapor pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]	Y		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y		

Table IV – BB.30 Source-Specific Applicable Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

	,	Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,	EXEMPT		
Rule 5			
8-5-117	Limited Exemption, Low Vapor Pressure	N	
SIP Regulation 8,	Storage of Organic Liquids (06/05/03)		
Rule 5	EXEMPT		
8-5-117	Exemption, Low Vapor Pressure	Y	
40 CFR 60, Subpart	Standards of Performance for Storage Vessels for Volatile		
K	Organic Liquid Storage Vessels for Which Construction,		
	Reconstruction, or Modification Commenced After June 11, 1973,		
	and Prior to May 19, 1978 (10/17/2000)		
	EXEMPTION FOR TANKS NOT CONTAINING PETROLEUM		
	LIQUIDS		
60.111(b)	Definitions: Petroleum liquids	Y	
40 CFR 63, Subpart	National Emission Standards for Hazardous Pollutants for		
CC	Petroleum Refining (6/23/03)		
	REQUIREMENTS FOR GROUP 2 WASTEWATER SOURCES		
63.640(c)(3)	Wastewater streams and treatment operations associated with	Y	
	petroleum refining process units meeting the criteria of section 63.640(a)		
63.641	Definitions: Group 1 and Group 2 Wastewater Streams	Y	
63.655(a)	Reporting and Recordkeeping Requirements: Wastewater – no	Y	
	reporting and recordkeeping requirements for wastewater except for		
DAAOMD	Group 1 wastewater streams		
BAAQMD Condition 20773			
Part 1	Requirement to verify exempt status of tank based on true vapor	Y	
	pressure of contents [Basis: Regulation 8-5-117, 2-6-409.2]		
Part 2	Record retention requirement [Basis: Regulation 2-6-409.2]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6, Rule 1 6-1-301	Ringelmann #1 Limitation	N	
	-	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation (Process Weight Rate Limitation)	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation (Process Weight Rate Limitation)	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Miscellaneous Operations (7/20/05)		
Regulation 8, Rule 2			
8-2-301	Miscellaneous Operations	Y	
BAAQMD			
Condition 22121			
Part 1	Visual inspection (2-6-503)	Y	
Part 2	Chlorine content monitoring and monthly VOC content determination (2-6-503)	Y	
Part 3	Records of sodium hypochlorite usage (2-6-501)	Y	
Part 4	Monitoring of dissolved solids (2-6-503, Regulation 3)	Y	
Part 5	Reports of hydrocarbon leaks (1-441)	Y	
Part 6	Hydrocarbon leaks longer than 4 weeks (1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503)		
Part 7	Annual reporting of particulate emissions (2-1-319.1, 3)	Y	
Part 8	Records (2-6-501)	Y	

Table IV – CC.2 Source-Specific Applicable Requirements S456, COOLING TOWER

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter, General Requirements (12/05/07)		
Regulation 6, Rule 1			
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation (Process Weight Rate Limitation)	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation (Process Weight Rate Limitation)	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Miscellaneous Operations (7/20/05)	Y	
Regulation 8, Rule 2			
8-2-301	Miscellaneous Operations	Y	
BAAQMD			
Condition 22122			
Part 1	Visual inspection (2-6-503)	Y	
Part 2	Monitoring of dissolved solids (2-6-503, Regulation 3)	Y	
Part 3	Reports of hydrocarbon leaks (1-441)	Y	
Part 4	Hydrocarbon leaks longer than 4 weeks (1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503)	Y	
Part 5	Annual reporting of particulate emissions (Regulation 2-6-501, 3)	Y	
Part 6	Records (2-6-501)	Y	

V. SCHEDULE OF COMPLIANCE

A. STANDARD SCHEDULE OF COMPLIANCE

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

- B. DELETED APPLICATION 13691
- C. DELETED APPLICATION 18231
- D. DELETED APPLICATION 18231
- E. DELETED APPLICATION 18231

VI. PERMIT CONDITIONS

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

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

CONDITIONS FOR \$350, CRUDE UNIT 267

- 1a. The owner/operator of S350 (Crude Unit 267) shall not process crude oil at S350 with a sulfur content in excess of 1.5 wt %. [Cumulative Increase]
- 1b. The owner/operator shall sample and analyze the crude feed to S350 to determine the sulfur content each time a new tanker shipment or pipeline delivery of crude is introduced into the S350 feed tanks. [Cumulative Increase]
- 2. The owner/operator of S350 shall not exceed an S350 feed rate of 36,000 bbl on any calendar day. The 36,000 bbl/day limit is an absolute limit and may not be corrected for instrument error. [Cumulative Increase]
- 3. The owner/operator of S350 shall maintain daily records of "calendar day" throughput at S350 in a District-approved log. The owner/operator shall also maintain records of all sulfur content analyses required by Part 1b. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]

486 Renewal Date: September 1, 2011

4. The owner/operator shall install water seals (or equivalent controls) on the desalter process drain system for S350 that comply with the requirements of BAAQMD Regulation 8-8-312 prior to increasing the daily throughput to 36,000 bbl/day as allowed by part 2. [Toxics, cumulative increase]

CONDITION 1440

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

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

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

 [Cumulative Increase]
- 4. The sources below shall conduct monthly leak inspections in accordance with Regulation 8-8-603. After three consecutive inspections with no leaks detected that are not vapor-tight, inspections will be conducted quarterly for that source. If any leak is detected that is not vapor-tight during an inspection, then monthly inspections must be completed until there are three consecutive inspections without any leaks that are not vapor-tight. Any leak found by the owner/operator or BAAQMD that is not vapor-tight must be minimized within 24 hours and repaired within 7 days. Vapor-tight is defined in Regulation 8, Rule 8.
 - a. Doors, hatches, covers, and other openings on the S324 API Separator, forebay, outlet basin, and channel to the S1007 DAF Unit.
 - b. Doors, hatches, covers, and other openings on the S1007 DAF Unit and the S400 Wet and S401 Dry Weather Sumps, except for the vent opening on S-400 and S-401.
 - c. Any open process vessel, distribution box, tank, or other equipment downstream of the S1007 DAF Unit (S381, S382, S383, S384, S385, S386, S387, S390, S392).

 [Cumulative Increase]
- 5. Records shall be kept of each inspection in Part 4 and shall be made available to District personnel upon request. [Cumulative Increase]

- 6. The maximum wastewater throughput at the S324 API Separator and S1007 DAF Unit shall not exceed 7,500 gpm during media filter backwash and 7,000 gpm during all other times for each unit. Any modifications to equipment at this facility that increase the annual average waste water throughput at S324 and S1007 shall first be submitted to the BAAQMD in the form of a permit application. [Cumulative Increase]
- 7. This part will apply after VOC emissions at S1007 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The owner/operator shall ensure that S1007, DAF, is controlled by A49, DAF Thermal Oxidizer or A51, DAF Carbon Bed, at all times of operation of S1007, except for up to 175 hours per any consecutive 12-month period for startup, shutdown, or maintenance.
 - [Offsets] a. Throug
 - a. Through source testing as described in Part 7(b) and 7(c), the owner/operator must demonstrate that the total reduction of emissions through use of A49, DAF Thermal Oxidizer and/or A51, DAF Carbon Bed will result in a total reduction of 44 tons POC per year, considering that abatement will not occur with either abatement device up to 175 hours per year. If initial testing does not demonstrate total reduction of 44 tons POC per year, the owner/operator may choose to:
 - i. In the case of A49, DAF Thermal Oxidizer, perform 4 tests in one year and average the results. In this case, the tests will be performed no less than 2 months apart and no more than 4 months apart.
 - ii. In the case of A51, DAF Carbon Bed, average the results of one year's worth of monitoring.
 - If, after further testing, a total of 44 tons worth of POC reduction is not demonstrated, the owner/operator will supply offsets necessary to ensure a total reduction of 44 tons per year POC pursuant to BAAQMD Regulation 2-2-302.

[Offsets, CEQA]

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

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

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

days after any source test. [Offsets, CEQA]

- ii. After the initial source test required in Part 8 of this condition, the minimum temperature determined shall become the minimum temperature limit for A49. A49 shall not be operated below the minimum temperature except during an "Allowable Temperature Excursion" as defined below:
 - 1. Operation of A49 within 20°F below the minimum temperature
 - 2. Operation of A49 more than 20°F below the minimum temperature for a period or periods which, when combined are less than or equal to 15 minutes in any hour; or
 - 3. Operation of A49 more than 20°F below the minimum temperature for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met:
 - a. The excursion does not exceed 50°F below the minimum temperature;
 - b. The duration of the excursion does not exceed 24 hours; and
 - c. The total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

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

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

[Offsets, CEQA]

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

[Offsets, CEQA]

- iv. Deleted Application 13427.
- v. The owner/operator shall perform a source test to determine emissions of SO2 from A49, DAF Thermal Oxidizer using District Method ST-19A, Sulfur Dioxide, Continuous Sampling. The owner/operator shall submit the source test results to the District Source Test Manager, the District Permit Evaluation Manager and the District Director of Compliance and Enforcement no later than 60 days after any source test.

 [Offsets, CEQA]

Renewal Date: September 1, 2011

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

[Offsets, CEQA]

- c. The following conditions apply to A51, DAF Carbon Bed
 - i. A51 shall consist of two or more activated carbon vessels arranged in series, with at least one carbon vessel in service except for up to 175 hours per any consecutive 12-month period for startup, shutdown, or maintenance.
 [Offsets, CEQA]
 - ii. Total emission reduction of A51 shall be demonstrated through use of an in-line flowmeter, and the results of monitoring per the conditions below.

 [Offsets]
 - iii. The owner/operator of A51 shall monitor with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer at the following locations:
 - 1. The stream prior to any carbon vessels
 - 2. At the inlet to the last carbon vessel in series
 - 3. At the outlet of the carbon vessel that is last in series prior to venting to atmosphere [Offsets]
 - iv. When using an FID to monitor breakthrough, readings may be taken with or without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions. [Offsets]
 - v. All breakthrough monitoring readings shall be recorded in a monitoring log each time they are taken. Readings shall be conducted on a daily basis initially, but after two months of daily collection, the owner/operator may propose for District review, based on actual measurements taken at the site during operation of the source, that the monitoring schedule be changed to weekly based on the demonstrated breakthrough rates of the carbon vessels. If the District Engineering Division does not disapprove of the proposed monitoring changes within 30 days, the owner/operator shall commence weekly monitoring.

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

 [Offsets]
 - vii. The owner/operator of this source shall maintain the following records for each month of operation of A51:
 - 1. The hours and times of operation

- 2. Each monitor reading or analysis result for the day of operation they are taken.
- 3. The number of spent carbon beds removed from service. [Offsets]
- 8. Deleted Application 13427.
- 9. This part will apply after VOC emissions at S1007 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The owner/operator shall seal the DAF outlet channel and downstream sumps by a solid cover with gaskets. Any vents installed on the covered channel shall be routed to the thermal oxidizer or an equivalent control as determined by the APCO. [Offsets, CEQA]
- *10. The owner/operator must control with a thermal oxidizer at least 90% of the time on a consecutive 12-month basis, unless owner/operator controls H2S with an equivalent control device as determined by the APCO. [CEQA]

Alternate Operating Scenario

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

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

CONDITION 1694

CONDITIONS FOR COMBUSTION SOURCES AND SO2 CAP, EXCEPT FOR GAS TURBINES, DUCT BURNERS, ENGINES, AND S45, HEATER (U246 B801 A/B)

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

District	Refinery	Daily Firing	Hourly Firing
Source	ID	Limit	Rate
<u>Number</u>	<u>Number</u>	(MMbtu/day)	(MMbtu/hr)

S 3	U230/B201	1,488	62
S7	U231/B103	1,536	64
S21	U244/B507	194.4	8.1
	[Regulation 2-1-234.3]		

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

District Source <u>Number</u>	Refinery ID <u>Number</u>	Daily Firing Limit (<u>MM BTU/day)</u>	Hourly Firing Rate (MM BTU/hr)
S2	U229/B301	528	22
S4	U231/B101	2,304	96
S5	U231/B102	2,496	104
S 9	U240/B2	1,464	61
S10	U240/B101	5,352	223
S11	U240/B201	2,592	108
S12	U240/B202	1,008	42
S13	U240/B301	4,656	194
S14	U240/B401	13,344	556
S15 thru S19	U244/B501 thru B50	5,754	239.75
S20	U244/B506	552	23
S22	U248/B606	744	31
S29	U200/B5	2,472	103
S30	U200/B101	1,200	50
S31	U200/B501	480	20
S43	U200/B202	5,520	230
S44	U200/B201	1,104	46
S351	U267	2,280	95
S336	U231/B104	2,664	111
S337	U231/B105	816	34
S371/372	U228/B520 and B52	1 1,392	58
			[Regulation 2-1-301]

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

District	Refinery	Daily Firing	Hourly Firing
Source	ID	Limit	Rate
Number	<u>Number</u>	(MMbtu/day)	(MMbtu/hr)
S438	U110	6,000	250

[Cumulative Increase]

- 2a. All sources shall use only refinery fuel gas and natural gas as fuel, EXCEPT for S438 which may also use pressure swing adsorption (PSA) off gas as fuel, and EXCEPT for S3 and S7 which may also use naphtha fuel during periods of natural gas curtailment, test runs, or for operator training. [Regulation 9-1-304 (sulfur content), Regulation 2, Rule 1, Consent Decree Case No. 05-0258, DATE: 1/27/05] Amended Application 12931
- 2b. Sources S3 and S7 are permitted to use naphtha fuel only during periods of natural gas curtailment, test runs, or for operator training. These sources shall be monitored for visible emissions during tube cleaning. If any visible emissions are detected when the operation commences, corrective action shall be taken within one day, and monitoring shall be performed after the corrective action is taken. If no visible emissions are detected, monitoring shall be performed on an hourly basis. [Regulation 2-6-409.2, Consent Decree Case No. 05-0258, DATE: 1/27/05] Amended Application 12931
- 2c. Sources S3 and S7 are permitted to use naphtha fuel only during periods of natural gas curtailment, test runs, or for operator training. These sources shall be monitored for visible emissions before each 1 million gallons of liquid fuel is combusted at each source. If an inspection documents visible emissions, a Method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the specific unit ceases firing on liquid fuel within the 3 working day time frame. [Regulation 2-6-409.2, Consent Decree Case No. 05-0258, DATE: 1/27/05]. Amended Application 12931
- 3a. The refinery fuel gas shall be tested for total reduced sulfur (TRS) concentration by GC analysis at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent), and TRS concentration estimated based on the total sulfur/TRS ratio, with the TRS estimate increased by a 5% margin for conservatism. The total sulfur/TRS ratio shall be determined at least on a monthly basis through GC analyses of total sulfur and TRS values, and the most recent ratio shall be used to estimate TRS concentration. [SO2 Bubble]
- 3b. The average of the 3 daily refinery fuel gas TRS sample results shall be reported to the District in a table format each calendar month, with a separate entry for each daily average. Sample reports shall be submitted to the District within 30 days of the end of each calendar month. Any omitted sample results shall be explained in this report. [SO2 Bubble]
- 4. Emissions of SO2 shall not exceed 1,612 lb/day on a monthly average basis from non-cogeneration sources burning fuel gas or liquid fuel. This limit shall not include S45, Heater (U246) and shall not include any engine. [SO2 Bubble]
- 5. The following records shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:

a. Daily and monthly records of the type and amount of fuel combusted at each source listed in Part A.1. [Regulation 2, Rule 1]

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

[SO2 Bubble]

c. SO2 emissions as required by Part A.4

[SO2 Bubble]

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

 [Regulation 2-6-409.2]

B. S351 PREHEATER

- 1. The S351 heater shall be abated by the A6 SCR unit at all times, except that S351 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S351 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S351 shall remain in effect whether or not it is operated with SCR abatement.

 [BACT, Cumulative Increase]
- 2. The concentration of NOx from S351 shall not exceed 20 ppmv @ 3% oxygen, dry, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]
- 3. The following instruments shall be installed and maintained to demonstrate compliance with Part 2:

494

- a. continuous NOx analyzer/recorder
- b. continuous O2 or CO analyzer/recorder

[BACT, Cumulative Increase]

C. S371 AND S372 FURNACES

1. The S371 furnace shall be abated by the A16 SCR unit at all times, and the S372 furnace shall be abated by the A17 SCR unit at all times, except that S371 and S372 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the NOx emission rates from these heaters whenever they operate without abatement. All emission limits applicable to S371 and S372 shall remain in effect whether or not they are operated with SCR abatement.

[BACT, Cumulative Increase]

- 2. The concentration of NOx from S371 and S372 shall not exceed 20 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours. [BACT, Cumulative Increase]
- 3. The concentration of CO emissions from S371 and S372 shall not exceed 50 ppmv, dry, corrected to 3% oxygen, averaged over any consecutive 3 hour period. This limit shall not apply during a startup period, which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period, which shall not exceed 9 hours.

[BACT, Cumulative Increase]

- D. S43 Coking Furnace (Unit 200 B-202) and S44 (Unit 200 B-201 PCT Reboil Furnace)
 - Nitrogen oxide emissions from the S43 Coking Furnace (Unit 200 B-202) shall be abated by Selective Catalytic Reduction Unit A4 at all times, except that S43 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S43 NOx emission rate whenever S43 operates without abatement. All emission limits applicable to S43 shall remain in effect whether or not it is operated with SCR abatement. [BACT, Cumulative Increase]
 - 2. The nitrogen oxides in the flue gases for S43, Unit 200 B-202 Coking Furnace and S44, Unit 200 B-201 PCT Reboil Furnace shall not exceed 40 ppmdv corrected to 3% oxygen, dry, over any consecutive 8 hour period. This limit shall not apply during a startup period which shall not exceed 12 hours. The startup exemption period may last up to 24 hours to allow the proper ammonia injection temperature to be reached provided that the temperature is monitored at least once per hour and that ammonia injection begins within 2 hours of reaching the proper temperature. This limit shall also not apply during a shutdown period which shall not exceed 9 hours.

[BACT, Cumulative Increase]

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

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

[BACT, Cumulative Increase]

E. S438 FURNACE

1. The S438 furnace shall be abated by the A46 SCR unit at all times, except that S438 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S438 NOx emission rate whenever S351 operates without abatement. All emission limits applicable to S438 shall remain in effect whether or not it is operated with SCR abatement.

[BACT, Cumulative Increase]

- 2. Total fuel fired in S438 shall not exceed 2.19 E 12 btu in any rolling consecutive 365 day period. [Cumulative Increase]
- 3. Pressure swing adsorption (PSA) off gas used as fuel at S438 shall not exceed 1.0 ppm (by weight) total reduced sulfur (TRS). TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, dimethyl disulfide. [BACT, Cumulative Increase]
- 4. The following emission concentration limits from S438 shall not be exceeded. These limits shall not apply during startup periods not exceeding 24 hours (72 hours when drying refractory or during the first startup following catalyst replacement) and shutdown periods not exceeding 24 hours. The District may approve other startup and shutdown durations.

NOx: 7 ppmv @ 3% oxygen, averaged over any 1 hour period CO: 32 ppmv @ 3% oxygen, averaged over any calendar day

POC: 0.0023 lb/MMbtu of fuel used [BACT, Cumulative Increase]

- 5. The concentration of TRS in the blended fuel gas shall not exceed 14 ppmv averaged over any calendar month. [SO2 bubble, Cumulative Increase]
- 6. Daily records of the type and amount of fuel combusted at S438 and of the TRS and hydrogen sulfide concentration in the blended fuel gas, and monthly records of average blended fuel gas TRS concentration, shall be maintained for at least five years and shall be made available to the District upon request. [Cumulative Increase]

- 7. No later than 90 days from the startup of S438, the owner/operator shall conduct District-approved source tests to determine initial compliance with the limits in Part 4 for NOx, CO and POC. The owner/operator shall conduct the source tests in accordance with Part 8. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test.

 [BACT, Cumulative Increase]
- 8. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emissions monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing.

 [BACT, Cumulative Increase]
- F. S2, S3, S4, S5, S7, S9, S10, S11, S12, S13, S14, Heaters
- 1b. Total fuel firing at Unit 240 (S9, S10, S11, S12, S13, S14) shall not exceed 877.3 MMbtu/hr (based on higher heating value) averaged over any consecutive 12 month period. [Cumulative Increase]

[Part 1b will be effective after S8 is removed from service pursuant to Application 13424.]

2. Total fuel fired at the MP-30 Complex, including Unit 229 (S2), Unit 230 (S3) and Unit 231 (S4, S5, S7) shall not exceed 346.5 MMbtu/hr (based on higher heating value) averaged over any consecutive 12 month period.

[Cumulative Increase]

- 3. Monthly records of the fuel fired at sources in Parts 1 and 2 shall be kept in a District-approved log for at least 5 years and shall be made available the District upon request. [Cumulative Increase]
- 4. The owner/operator shall not exceed the following NOx emission limits as measured by NOx CEMs:
 - a. S10: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.
 - b. S13: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average.
 - c. S15, S16, S17, S18 and S19 combined: 0.015 lb NOx per MMBtu heat input based on a 12 consecutive month average. [Basis: ConocoPhillips-EPA Consent Decree Case No. H-05-0258]
- 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 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 4336

CONDITIONS FOR S425, S426, Marine Loading Berths

1. For each loading event of "regulated organic liquid", A420 shall be operated with a temperature of at least 1300 degrees F during the first 15 minutes of the loading operation. After the initial 15 minutes of loading, the A420 temperature shall be at least 1400 degrees F.

[Cumulative Increase]

- 2. Instruments shall be installed and maintained to monitor and record the following:
 - a. Static pressure developed in the marine tank vessel
 - b. A420 temperature.
 - c. Hydrocarbons and flow to determine mass emissions or a concentration measurement alone if it is demonstrated to the satisfaction of the APCO that concentration alone allows verification of compliance, or
 - d. Any other device that verifies compliance, with prior approval from the APCO.

[Cumulative Increase]

- 3. A "regulated organic liquid" shall not be loaded from this facility into a marine tank vessel within the District whenever A420 is not fully operational. A420 must be maintained to be leak free, gas tight, and in good working order. For the purposes of this condition, "operational" shall mean the system is achieving the reductions required by Regulation 8, Rule 44; "regulated organic liquids" include gasoline, gasoline blendstocks, aviation gasoline and JP-4 aviation fuel and crude oil. [Cumulative Increase]
- 4. A leak test shall be conducted on all vessels loading under positive pressure prior to loading more than 20% of the cargo. The leak test shall include all vessel relief valves, hatch cover, butterworth plates, gauging connections, and any other potential leak points.

[Cumulative Increase]

- 5. Loading pressure shall not exceed 80% of the lowest relief valve set pressure of the vessel being loaded. [Cumulative Increase]
- 6a. No more than 25,000 barrels per day of gasoline, naphtha and C5/C6 shall be shipped across the wharf on an annual average basis. [Cumulative Increase]
 - 1. Deleted Application 13690
 - 2. When barges are used to lighter crude oil, the volume of oil lightered during any reporting period shall be multiplied by a factor of 0.42 and included in the shipping totals to determine compliance with the throughput limits. The vessel Exxon Galveston is considered a ship for the purposes of this condition.

- 6b. The maximum loading rate at any time at both S425 and S426 shall not exceed 20,000 barrels per hour to prevent overloading the A420 oxidizer. [Cumulative Increase]
- 7. The owner/operator shall not receive more than 30,682 bbl per day of crude oil and/or gas oil delivered by tanker, barge or ship at the Marine Terminal (S425, S426) on a 12 month rolling average basis. (Cumulative increase, 2-1-403, Offsets)
- 8. All throughput records required to verify compliance with Parts 6 and 7, including hourly loading rate records (total for S425, S426), monthly crude oil receipt records, and maintenance records required for A420, which are subject to Regulation 8, Rule 44, shall be kept on site for at least 5 years and made available to the District upon request. [Cumulative Increase]
- 9. The destruction efficiency of the A420 control system shall be at least 98.5% by weight over each loading event for gasoline, gasoline blending stocks, aviation gas, aviation fuel (JP-4 type), and crude oil. [BACT]
- The purpose of part 10 is to implement an alternative monitoring plan to assure compliance with 10. the H2S limit in 40 CFR 60.104(a)(1) at A420, Thermal Oxidizer. This part will apply whenever A420 is used to comply with BAAQMD Regulation 8, Rule 44, and whenever A420 is used to burn fuel gas as defined by 40 CFR 60.101(d). To ensure that the thermal oxidizer is not used to burn fuel gas that is high in H2S, the following activities are not allowed at the terminal: ballasting, cleaning, inerting, purging, and gas freeing. The owner/operator shall perform the following monitoring: One detection tube sampling shall be conducted on the vapors collected during the event for each marine vessel tank that is affected. The detector tube ranges shall be 0-10/0-100 ppm (N=10/1) unless the H2S level is above 100 ppm. If the H2S level is above 100 ppm, the owner/operator shall use a detection tube with a 0-500 ppm range. The owner/operator shall use ASTM Method 4913-00, Standard Practice for Determining Concentration of Hydrogen Sulfide by Reading Length of Stain, Visual Chemical Detectors. The owner/operator shall maintain records of the H2S detection tube test data for five years from the date of the record. In addition, the owner/operator shall monitor at least once every calendar day that the thermal oxidizer is used. Within 8 months of approval of this part pursuant to Application 13691, the owner/operator shall submit the first six months of results of the H2S analysis to the District's Engineering and Enforcement and Compliance Departments for review. [40 CFR 60.13(i), BAAQMD Regulation 2-6-501]

CONDITION 6671

CONDITIONS FOR S464, HYDROGEN PLANT, U-240 PLANT 4

- The vapor vent on the E-421 condenser (overhead condenser on D-406 condensate stripper in U-240 Unicracker Complex hydrogen plant) shall be vented to the A50 (D-410 Vent Scrubber) condenser whenever the vent operates. [Regulation 8-2-301]
- 2. A50 shall reduce total organic carbon emissions from the E-421 vent as necessary to a level that complies with Regulation 8-2-301. [Regulation 8-2-301]
- 3. All blowdown and other liquid effluent from A50 shall be piped to the plant wastewater treatment system. [Cumulative Increase]
- 4. Whenever the U-240 hydrogen plant operates, normal flow of scrubbing liquid through the E-421 scrubber pumparound pump and normal flow of cooling water through the pumparound cooler shall be verified on a daily basis. [Cumulative Increase]
- 5. Daily records (on days when the U-240 hydrogen plant operates) of normal scrubbing liquid flow and normal cooling water flow shall be kept in a District-approved log for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 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 \$432, DEISOBUTANIZER

- 1. All new flanges in hydrocarbon service associated with the S432 Deisobutanizer project shall utilize graphitic gaskets. All new valves in hydrocarbon service associated with the project shall be either live-loaded valves, bellows-sealed valves, diaphragm valves, or other District approved equivalent valve designs. [BACT, Cumulative Increase]
- 2. All new pressure relief valves in hydrocarbon service associated with the S432 project shall be vented to the refinery flare gas recovery system. [BACT, Cumulative Increase]
- 3. All new pumps and compressors in hydrocarbon service associated with the S432 project shall utilize either a double mechanical shaft seal design with barrier fluid, a magnetically coupled shaft, or other District approved equivalent design. If a barrier fluid is used, either the fluid reservoir shall be vented to a 95% efficient control device, or the barrier fluid shall be operated at a pressure higher than the process stream pressure.

[BACT, Cumulative Increase]

- 4. The owner/operator shall ensure that the throughput of S432 does not exceed 10,200 barrels/day. [Cumulative Increase]
- 5. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]
- 6. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

CONDITION 7353

FOR S433, MOSC STORAGE TANK

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

 [Cumulative Increase]

CONDITION 7523

CONDITIONS FOR S294, GASOLINE DISPENSING FACILITY(GDF 7609)

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

CONDITION 11219

CONDITIONS FOR S449, TANK (T-285)

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

CONDITION 12121

CONDITIONS FOR \$370, U228 ISOMERIZATION UNIT

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

CONDITION 12122

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

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

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

Renewal Date: September 1, 2011

- 5. The exhaust from S354 and S357 shall be abated at all times by SCR unit A15, except that S354 and S357 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S354 and S357 NOx emission rate whenever S354 and S357 operate without abatement. All emission limits applicable to S354 and S357 shall remain in effect whether or not they are operated with SCR abatement.

 [BACT, Cumulative Increase]
- 6. Total fuel fired in S355, S356, and S357 shall not exceed 2.42 E 12 btu in any consecutive 365 day period. [Cumulative Increase]
- 7. CO emissions from each turbine/duct burner set shall not exceed 39 ppmv at 15% oxygen, averaged over any consecutive 30 day period. Emissions during startup periods, which shall not exceed four hours, and shutdown periods, which shall not exceed two hours, may be excluded when averaging emissions.

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

 [BACT, Cumulative Increase]
- 9a. The combined NOx emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), nor 167 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. (This condition will be invalid when the NOx emissions at these sources must be reduced to provide offsets for Application 13424.) [BACT, Cumulative Increase]
- 9b. This part will apply after NOx emissions at S352, S353, S354, S355, S356 and S357 must be reduced to provide offsets for Application 13424 per Condition 22970, Part B. The combined NOx emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 66 lb/hr (averaged over any 3 hour period), and shall not exceed 79.8 tons in any consecutive 365 day period. NOx emissions from each turbine/duct burner set shall not exceed 528 lb/day. [BACT, Cumulative Increase, Offsets]
- 9c. NOx emissions from S352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]
- 9d. The owner/operator shall use a fuel meter to determine the heat input to each unit. This data shall be used to determine compliance with all throughput limits and the NOx, CO, and SO2 mass emission limits. [Cumulative Increase, 2-6-503]
- 10a. The combined CO emissions from S352, S353, S354, S355, S356 and S357 shall not exceed 200 tons in any consecutive 365 day period. [BACT, Cumulative Increase]
- 10b. CO emissions from S352, S353, S354, S355, S356 and S357 shall be monitored with a District-approved continuous emission monitor. [BACT, Cumulative Increase]

11. The combined POC emissions S352, S353, S354, S355, S356 and S357 shall not exceed 8.3 lb/hr and shall not exceed 30.5 tons in any consecutive 365 day period.

[BACT, Cumulative Increase]

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

[Cumulative Increase]

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

[Cumulative Increase]

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

 Records shall be retained for at least five years and shall be made available to the District upon request.

 [BACT, Cumulative Increase]

CONDITION 12124

CONDITIONS FOR S439, TANK (T-109)

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

3,650 thousand barrels

[Cumulative Increase]

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

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CONDITION 12125

CONDITIONS FOR S440, TANK (T-110)

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

3,600 thousand barrels

[Cumulative Increase]

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

 [Cumulative Increase]

CONDITION 12127

CONDITIONS FOR S442, TANK (T-112)

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

2,740 thousand barrels

[Cumulative Increase]

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

 [Cumulative Increase]

CONDITION 12129

CONDITIONS FOR S444, TANK (T-243)

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

4,380 thousand barrels

[Cumulative Increase]

2. S444 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

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

[Cumulative Increase]

CONDITION 12130

CONDITIONS FOR S445, TANK (T-271)

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

CONDITION 12131

CONDITIONS FOR S446, TANK (T-310)

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

CONDITION 12132

CONDITIONS FOR S447, TANK (T-311)

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

CONDITION 12133

CONDITIONS FOR S448, TANK (T-1007)

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

2,190 thousand barrels [Cumulative Increase]

2. S448 shall operate with closed, gasketed covers on all tank openings except pressure relief valves and vacuum breaker valves. [BACT]

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

[Cumulative Increase]

Alternate Operating Scenario

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

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

CONDITION 12245

CONDITIONS FOR S450, GROUNDWATER EXTRACTION TRENCHES

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

CONDITION 13184

CONDITIONS FOR S182, STORAGE TANK

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

CONDITION 16677

CONDITIONS FOR S376, S377, S378, COLD CLEANERS

- 1. Net usage of citrus-based solvent at S376, S377 and S378 shall not exceed 150 gallons each in any consecutive 12-month period. [Cumulative Increase]
- 2. Cleanup solvent other than the material(s) specified in Part 1, and/or usage in excess of that

specified in Part 1, may be used, provided that the Permit Holder can demonstrate that all of the following are satisfied:

- 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 \$380, \$389, \$1LOS

- 1a. Activated Carbon Silo S380 shall be vented through the A20 baghouse whenever the silo blower motor is in service. Baghouse operation is not required during unloading operations using only gravity feed. [Regulation 2-1-234]
- 1b. Diatomaceous Earth Silo S389 shall be vented through the A21 baghouse whenever it is in service. [Regulation 2-1-234]
- 2a. Baghouses A20 and A21 shall be equipped with differential pressure gauges to allow monitoring of baghouse operating condition. [Regulation 1-441]
- 2b. Differential pressure on baghouse A20 shall be checked at least once per calendar quarter to verify normal operating condition. [Regulation 1-441]
- 2c. Differential pressure on baghouse A21 shall be checked each time that the baghouse is operated to verify normal operating condition. [Regulation 1-441]
- 3. A record of all differential pressure readings for baghouses A20 and A21 shall be maintained in a District-approved log for at least 5 years and shall be made available to the District upon request. [Regulation 1-441]

CONDITION 18255

FOR SOURCES S296 AND S398, FLARES

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

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

- 5. The owner/operator shall comply with one of the following requirements if visual inspection is used:
 - a. If EPA Method 9 is used, the owner/operator shall comply with Regulation 6-1-301 when operating the flare.
 - b. If the procedure of Part 4.b.ii is used, the owner/operator shall not operate a flare that has visible emissions for three consecutive minutes.

[Regulation 2-6-403]

6. The owner/operator shall keep records of all flaring events, as defined in Part 3. The owner/operator shall include in the records the name of the person performing the visible emissions check, whether video monitoring or visual inspection (EPA Method 9 or visual

inspection procedure of Part 4) was used, the results of each inspection, and whether any violation of this condition (using visual inspection procedure in Part 4) or Regulation 6-1-301 occurred (using EPA Method 9). [Regulation 2-6-501; 2-6-409.2]

7. 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

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

III. Facilities Operation

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

IV. Malfunction

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

V. Right to Entry

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

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

- B. at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Approval to Construct/Modify; and
- C. to inspect any equipment, operation, or method required in this Approval to Construct/Modify; and
- D. to sample emissions from this source.

VI. Transfer of Ownership

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

VII. Severability

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

VIII. Other Applicable Regulations

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

IX. Special Conditions

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

B. Air Pollution Control Equipment

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

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

D. Operating Limitations

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

available to EPA upon request.

E. Emission Limits for NOx

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

F. Emission Limits for SO2

On or after the date of startup, the owner/operator_shall not discharge from the gas turbine/HRG Burner sets SO2 in excess of 15.6 lb/hr per set or 44 lb/hr total (3-hour average). Additionally, total SO2 emissions shall not exceed 34 lb/hr (3 hour average) for more than 36 days per year, and shall not exceed a total of 153 tons per year (365 days)

G. Continuous Emission Monitoring

- 1. Prior to the date of startup and thereafter, the owner/operator_shall install, maintain and operate the following continuous monitoring systems downstream of each of the gas turbine/HRG Burner units:
 - a. Continuous monitoring systems to measure stack gas NOx and SO2 concentrations. The systems shall meet EPA monitoring performance specifications (60.13 and 60, Appendix B, Performance Specifications). Alternatively, the SO2 continuous monitor may be substituted for by a continuous monitoring system measuring H2S in the refinery fuel gas system and daily sampling for total sulfur in the fuel gas.
 - b. A system to calculate the stack gas volumetric flow rates continuously from actual process variables.
- 2. The owner/operator shall maintain a file of all measurements, including continuous monitoring system performance evaluations, all continuous monitoring system monitoring device calibration checks, adjustments and maintenance performed on these systems or devices, and all other information required by 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.
- 3. The owner/operator shall submit a written report of SO2 emission status and all excess emissions to EPA (Attn: A3-3) for every calendar quarter. The report shall include the following:
 - a. If fuel gas samples are used to determine SO2 emissions:
 - (1) The total measured sulfur concentration in each fuel gas sample for the calendar quarter.
 - (2) The daily average sulfur content in the fuel gas, daily average SO2 mass emission rate (lb/hr), and total tons per year of SO2 emitted for the last 365 consecutive days. Total SO2 emissions exceeding 34 lb/hr must be identified.
 - b. The magnitude of excess emissions computed in accordance with 60.13(h), any conversion factors used, and the date and time of commencement and completion of

- each time period of excess emissions.
- c. Specific identification of each period of excess emissions that occurs during startups, shutdowns and malfunctions of the cogeneration gas turbine system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.
- d. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.
- e. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Excess emissions shall be defined as any three-hour period during which the average emissions of NOx and/or SO2 as measured by the continuous monitoring system and/or calculated from the daily average of the total sulfur in the fuel gas, exceeds the NOx and/or SO2 maximum emission limits set for each of the pollutants in Conditions IX.E and IX.F. above
- g. Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limits for the purpose of this permit.

H. New Source Performance Standards

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

X. Agency Notifications

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

A. Director, Air Management Division (Attn: A3-3)

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

B. Chief, Stationary Source Division

California Air Resources Board P O Box 2815 Sacramento, CA 95812

C. Air Pollution Control Officer

Bay Area Air Quality Management District 939 Ellis Street San Francisco, CA 94109

515

CONDITION 18680

CONDITIONS FOR S294, GASOLINE DISPENSING FACILITY (GDF 7609

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

The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within fifteen (15) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).

CONDITION 19278

Conditions for S1001, S1002, S1003

- 1. Deleted Application 12433
- 2. Deleted Application 12433
- 3. An annual District-approved source test shall be performed to verify compliance with the requirements of Regulation 6-1-330. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 45 days of the test.

[Regulation 6-1-330]

4. The Owner/Operator shall perform a visible emissions check on Sources \$1001, \$1002, and \$1003 on a monthly basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the owner/operator shall have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual,

"Visible Emissions Evaluation" for six (6) minutes within three (3) days and record the results of the reading. If the reading is in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the reading shall be recorded and the owner/operator shall continue to perform a visible emissions check on a monthly basis. If the reading is not in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of this permit. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down. Records of visible emissions checks and opacity readings made by a CARB-certified smoke reader shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request.

[Basis: Regulations 6-1-301, 2-6-501, 2-6-503]

- 5. Within 90 days of issuance of the Major Facility review permit pursuant to Application 10994, the owner/operator shall perform source tests at the stacks of Tail Gas Incinerators A421-A423 to determine compliance with BAAQMD Regulations 6-1-310 and 6-1-311 for filterable particulate using the existing single port. The owner/operator shall submit a proposed source test protocol to the Source Test group at least 30 days before conducting the source test. Within 60 days of the source tests, the owner/operator shall submit the results of the source tests to the District. The owner/operator shall repeat the source tests on an annual basis. The District's Source Test Group will observe the initial test to determine if testing with a single port is acceptable for these stacks. If the Source Test Group finds that a single port is not acceptable, the District may reopen the permit to require installation of a second port at each stack. [2-6-503]
- 6. The owner/operator shall ensure that the throughput of molten sulfur at S1001, S1002, and S1003 combined does not exceed 98,915 long tons/yr. The owner/operator shall record the throughput of molten sulfur on a monthly basis. [Cumulative Increase]

CONDITION 19488

CONDITIONS FOR S50, S51 and S52 - TURBINE STARTUP DIESEL ENGINES

- 1. The owner/operator of turbine startup engines S50, S51 and S52 shall operate these engines no more than 60 hours combined total per calendar year. [Basis: "Stationary Diesel Engine ATCM 93115.3(j)]
- 2. The owner/operator shall maintain monthly records of the hours of operation for the engines in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request..[Basis: "Stationary Diesel Engine ATCM" 93115.10(f)]

CONDITIONS FOR S53 - SPP EMERGENCY GENERATOR G-27

- 3. The owner/operator of emergency standby engine S53 shall operate this engine only for emergency use or for reliability-related activities. Operation for reliability-related activities shall not exceed 20 hours per year. [Basis: "Stationary Diesel Engine ATCM 93115.6(b)(3)(A)(1)(a)]
- 4. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.

[Basis: "Stationary Diesel Engine ATCM" 93115.6(b)(3)(A)(1)(a)]

- 5. The owner/operator shall operate this emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

 [Basis:"Stationary Diesel Engine ATCM" 93115.10(e)(1)]
- 6. The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency)
 - d. For each emergency, the nature of the emergency condition.
 - e. The type of fuel used for the engine.

f.

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

CONDITIONS FOR S54, S55, S56, S57, S58 AND S59 – FIREWATER PUMP ENGINES

518

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

- 8. The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing) related to the requirements of NFPA 25.
 - b. Hours of operation (emergency)
 - c. For each emergency, the nature of the emergency condition.
 - d. The type of fuel used for each engine.

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

CONDITION 20773, TANKS EXEMPT FROM REGULATION 8, RULE 5

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

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

 [Basis: 2-6-409.2]

FACILITY-WIDE REQUIREMENTS CONDITION 20989

A. THROUGHPUT LIMITS

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

grandfathered sources. Grandfathered sources are indicated with an asterisk in the source number column in the following table. Refer to Title V Standard Condition J for clarification of these limits.

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

	annual throughput limit (any consecutive 12-month		
L	hourly / daily throughput	period unless otherwise	
source number	limit	specified)	
15	Table II-A	19.9 E 6 therm total at S15	
16	T 11 T A	through S19	
16	Table II-A	19.9 E 6 therm total at S15	
17	Table II-A	through S19	
17	Table II-A	19.9 E 6 therm total at S15	
18	Table II-A	through S19 19.9 E 6 therm total at S15	
18	Table II-A	through S19	
19	Table II-A	19.9 E 6 therm total at S15	
19	Table II-A	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	
106	NA for tank	3.68 E 9 gal	
*107	NA for tank	8.76 E 6 bbl	
*110	NA for tank	1.40 E 7 bbl	
*111	NA for tank	1.31 E 7 bbl	
*112	NA for tank	1.49 E 7 bbl	
*113	NA for tank	1.49 E 7 bbl	
*114	NA for tank	1.31 E 7 bbl	
*115	NA for tank	4.38 E 6 bbl	
*125	NA for tank	1.05 E 7 bbl	
*126	NA for tank	1.05 E 7 bbl	
129	NA for tank	4.6 E 6 bbl	
133	NA for tank	8.76 E 5 bbl	

source number	hourly / daily throughput limit	annual throughput limit (any consecutive 12-month period unless otherwise specified)		
*134	NA for tank	1.31 E 7 bbl		
150	NA for tank	4.38 E 7 bbl		
151	NA for tank	4.38 E 7 bbl		
*177	NA for tank	2.63 E 7 bbl		
178	NA for tank	3.50 E 7 bbl		
183	NA for tank	4.38 E 5 bbl		
184	NA for tank	4.38 E 6 bbl		
*194	NA for tank	100 bbl		
195	NA for tank	525,600 bbl for S195, S196,		
		S388 (combined)		
196	NA for tank	525,600 bbl for S195, S196,		
		S388 (combined)		
*216	NA for tank	4.6 E 6 bbl		
*239	NA for tank	8.76 E 6 bbl		
*254	NA for tank	7.01 E 7 bbl		
*255	NA for tank	7.01 E 7 bbl		
*256	NA for tank	7.01 E 7 bbl		
*257	NA for tank	7.01 E 7 bbl		
*258	NA for tank	7.01 E 7 bbl		
*259	NA for tank	7.01 E 7 bbl		
*261	NA for tank	7.01 E 7 bbl		
294	20 gpm	400,000 gallons		
305	Table II-A	10.22 E 6 bbl		
*319	Table II-A	3.51 E 6 bbl		
324	Table II-A	3.68 E 9 gallons		
336	Table II-A	9.2 E 6 therm		
337	Table II-A	2.8 E 6 therm		
*338	Table II-A	6.6 E 10 ft3		
340	NA for tank	7.67 E 6 bbl		
341	NA for tank	4.38 E 7 bbl		
342	NA for tank	4.38 E 7 bbl		
343	NA for tank	4.38 E 7 bbl		
351	Table II-A	8.4 E 6 therm		
360	NA for tank	2.78 E 6 bbl		
370	Condition 12121	4.03 E6 bbl		
371	Table II-A	4.8 E6 therm for S371/S372		
372	Table II-A	4.8 E6 therm for S371/S372		
380	0.45 ton/hr	3,942 ton		
381	420,000 gal/hr	3.68 E 9 gal		
382	420,000 gal/hr	· · · · · · · · · · · · · · · · · · ·		
383	383 420,000 gal/hr			

	hourly / daily throughput	annual throughput limit (any consecutive 12-month period unless otherwise	
source number	limit	specified)	
384	420,000 gal/hr	3.68 E 9 gal	
385	Table II-A	3.68 E 9 gal	
386	3600 gal/hr	3.2 E 7 gal	
387	Table II-A	13.14 E 6 gal	
388	Table II-A	525,600 bbl for S195, S196, S388 (combined)	
389	0.21 ton/hr	1840 ton	
390	N/A for tank	7.884 E 6 gal	
392	N/A for tank	7.884 E 6 gal	
400	N/A for sump	3.68 E 9 gal	
401	N/A for sump	3.68 E 9 gal	
435	Table II-A	6.6 E 6 bbl	
436	Table II-A	4.7 E 6 bbl	
462	Table II-A	1.533 E 9 ft3	
463	Table II-A	365,000 bbl	
*464	Table II-A	613.2 E 9 ft3	
1007	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 21092

CONDITIONS FOR \$300, DELAYED COKER

- 1. The owner/operator of S300 shall not exceed a total charging rate to S300 (Coking Unit 200) of 81,000 barrels on any day. [Cumulative Increase]
- 2. The owner/operator shall maintain a file which contains (1) all measurements, records, charts and other data which must be collected pursuant to the provisions of this conditional permit and (2) such other data and calculations necessary to determine actual emissions from emission points covered by this permit. This file (which may contain confidential or proprietary data) shall include, but not be limited to: records of quantities of crude oil and other hydrocarbons processed

on an actual daily basis. This material shall be kept available for District inspection for a period of at least 5 years following the date on which such measurements, records or other data are made or recorded. [BACT, Cumulative Increase]

- 3. Each month, within 30 days of the end of the month, the owner/operator shall make an operational report to the APCO. Each monthly report shall include the following information for the month being reported:
 - a. S300 daily charging rate for all feed streams [BACT, Cumulative Increase]

CONDITION 21094

CONDITIONS FOR \$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 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]

523

CONDITION 21096

CONDITIONS FOR S461 HEATER

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

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

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

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

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

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

[Cumulative Increase]

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

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

[BACT, Cumulative Increase]

- 7a. The owner/operator shall test refinery fuel gas prior to combustion at S461 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8-hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, and dimethyl disulfide.
 - 7a.1. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.
- 7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the daily average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S461, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request.

 [BACT, Cumulative Increase]
- 7c. For the purpose of demonstrating compliance with the H2S limit in 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S461 to determine total H2S concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these

samples shall be taken each calendar month. No readable samples or sample results shall be omitted. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance. [60.13(i)]

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

CONDITION 21097

CONDITIONS FOR S36 HEATER

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

[BACT, Cumulative Increase]

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

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

^{*3}c. The owner/operator of S36 shall not exceed the following emission rate from S36/A36 except

during startups and shutdowns. Startups and shutdowns shall not exceed 24 consecutive hours. The 24 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 72 consecutive hours.

Ammonia 10 ppmv @ 3% oxygen (8 hr average) [Tox

[Toxic Management]

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

[Cumulative Increase]

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

 [BACT, Cumulative Increase]
- 5b. Following the initial source test, the owner/operator shall monitor compliance with the CO emission rate limit in Part 3b with a District-approved semi-annual source test, with at least one source test per year deemed by the District to be representative of normal operation. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. The time interval between source tests shall not exceed 8 months. CO source tests performed by the District may be substituted for semi-annual CO source tests. If two or more CO source tests, over any consecutive five year period, indicate a CO emission rate of 200 ppmv @ 3% O2 or higher, the owner/operator shall install and operate a District-approved continuous CO monitor/recorder within the time period specified in the District Manual of Procedures.

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

[BACT, Cumulative Increase]

- 7a. The owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total reduced sulfur (TRS) concentration by GC analysis at least once per 8-hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. TRS shall include hydrogen sulfide, methyl mercaptan, methyl sulfide, and dimethyl disulfide.
 - 7a.1. As an alternative to GC TRS analysis, the fuel gas total sulfur content may be measured with a dedicated total sulfur analyzer (Houston Atlas or equivalent). For the purposes of the daily limit, the owner/operator will presume that the results are TRS, unless the sample is analyzed for TRS by GC analysis. At least one sample per week shall be analyzed using a GC. The owner/operator shall use the results of the samples that have been analyzed by GC analysis for the purposes of the annual limit.
- 7b. To demonstrate compliance with Part 6, the owner/operator shall measure and record the daily

average TRS content and the 365-day average TRS content of the refinery fuel gas fired in S36, unless required to operate a District-approved continuous monitor/recorder by Part 7a. The owner/operator shall keep TRS records, whether they are the results of GC analysis or continuous analyzer data, for at least five years and shall make these records available to the District upon request.

[BACT, Cumulative Increase]

- 7c. For the purpose of demonstrating compliance with the H2S limit in 60.104(a)(1), the owner/operator shall test refinery fuel gas prior to combustion at S36 to determine total H2S concentration at least once per 8 hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. Records of H2S monitoring shall be kept for at least five years after the date the record was made. The owner/operator shall submit a semi-annual report regarding this monitoring to the District and to EPA. The reporting periods shall start on January 1st and July 1st of each year. The reports shall be submitted by January 31st and July 31st of each year. If the limit has not been exceeded during the reporting period, this information shall be stated in the report. If the limit has been exceeded, the owner/operator shall report the date and time that the exceedance began and the date and time that the exceedance ended. The owner operator shall estimate and report the excess emissions during the exceedance.

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

CONDITION 21099

CONDITIONS FOR ULSD PROJECT FUGITIVE COMPONENTS

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

[BACT]

- 2. The owner/operator shall equip all flanges/connectors installed in the light hydrocarbon piping systems as part of the USLD Project with graphitic-based gaskets unless the service requirements prevent this material. [BACT]
- 3. The owner/operator shall equip all new hydrocarbon centrifugal compressors installed as part of the USLD Project with "wet" dual mechanical seals with a heavy liquid barrier fluid, or dual dry gas mechanical seals buffered with inert gas.

 [BACT]
- 4. The owner/operator shall equip all new light hydrocarbon centrifugal pumps installed as part of

the USLD Project with a seal-less design or with dual mechanical seals with a heavy liquid barrier fluid, or equivalent. [BACT]

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

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

[BACT, Cumulative Increase, Toxic Management]

CONDITION 21235

Regulation 9-10 Refinery-Wide 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	
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. [Regulation 9-10-502]

- 3. The owner/operator shall operate each source listed in Part 1, that does not have a NOx CEM within specified ranges of operating conditions (firing rate and oxygen content) as detailed in Part 5. The ranges shall be established by utilizing data from district-approved source tests.
 - a. The NOx Box for units with a maximum firing rate of 25 MMBtu/hr or more shall be established using the procedures in Part 4.
 - b. The NOx Box for units with a maximum firing rate less than 25 MMBtu/hr shall be established 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 9-10-502]
- 4. The owner/operator shall establish the initial NOx box for each source subject to Part 3. The NOx Box may consist of two operating ranges in order to allow for operating flexibility and to encourage emission minimization during standard operation. The procedure for establishing the NOx box is as follows:
 - a. Conduct district approved source tests for NOx and CO, while varying the oxygen concentration and firing rate over the desired operating ranges for the furnace;
 - b. Determine the minimum and maximum oxygen concentrations and firing rates for the desired operating ranges (Note that the minimum O2 at low-fire may be different than the minimum O2 at high-fire. The same is true for the maximum O2). The owner/operator shall also verify the accuracy of the O2 monitor on an annual basis.
 - c. Determine the highest NOx emission factor (lb/Mmbtu) over the preferred operating ranges while maintaining CO concentration below 200 ppm; the owner/operator may choose to use a higher NOx emission factor than tested.
 - d. Plot the points representing the desired operating ranges on a graph. The resulting polygon(s) is the NOx Box, which represents the allowable operating range(s) for the furnace under which the NOx emission factor from part 5a is deemed to be valid.
 - i. The NOx Box can represent/utilize either one or two emission factors.
 - ii. The NOx Box for each emission factor can be represented either as a 4 or 5-sided polygon. The NOx box is the area within the 4- or 5-sided polygon formed by connecting the source test basedparameters that lie about the perimeter of successful approved source tests. The source test parameters forming the corners of the NOx box are listed in Part 5.
 - e. Upon establishment of each NOx Box, the owner/operator shall prepare a graphical representation of the box. The representation shall be made available on-site for APCO review upon request. The box shall also be submitted to the BAAQMD with permit amendments.

531

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

a. NOx Box ranges

Source No.	Emission Factor (lb/MMBtu)	Min O ₂ at Low Firing (O ₂ %, MMBtu/hr)	Max O ₂ at Low Firing (O ₂ %, MMBtu/hr)	Min O ₂ at High Firing (O ₂ %, MMBtu/hr)	Mid O ₂ at Mid/High Firing (polygon) (O ₂ %, MMBtu/hr)	Max O ₂ at High Firing (O ₂ %, MMBtu/hr)
2	0.025	N/A, 4.4	N/A, 4.4	N/A, 22	N/A	N/A, 22
3	0.109	1.81, 12.4	1.81, 14.5	2.4, 31.1	7.0, 16.5	7.0, 12.4
3	0.144	2.4, 31.1	5.6, 33.2	9.0, 23.7	7.0, 16.5	
4	0.0404	1.6, 19.2	1.6, 66	2.0, 81.5	2.5, 74	2.5, 19.2
4	0.0495	2.5, 19.2	2.5, 74	3.8, 74	3.8, 19.2	
5	0.0464	1.6, 20.8	1.6, 69.5	1.7, 74.4	2.5, 74.4	2.5, 20.8
5	0.0558	2.5, 20.8	2.5, 74.4	4.3, 71.2	4.3, 20.8	
7	0.11	2.9, 13.3	2.54, 29.1	13.0, 19.6	11.25, 10.71	3.7, 11.2
7	0.125	2,54, 29.1	3.4, 53.4	4.4, 53.4	13.0, 19.6	
9	0.021	1.2, 12.2	1.2, 54	2.8, 54	3.3, 42.7	3.3, 12.2
9	0.0248	3.3, 12.2	3.3, 42.7	4.2, 54	4.2, 12.2	
11	0.058	1.3, 21.6	1.3, 98.8	2.06, 100.4	3.0, 95.2	3.0, 21.6
11	0.061	3.0, 21.6	3.0, 95.2	5.0, 85.2	5.0, 21.6	
12	0.023	1.6, 8.4	1.6, 21	2.15, 30.8	2.6, 30.8	2.6, 8.4
12	0.0282	2.6, 8.4	2.6, 30.8	5.0, 30.8	5.0, 8.4	
20	0.036	N/A, 4.6	N/A, 4.6	N/A, 23	N/A	N/A, 23
22	0.025	1.37, 6.2	1.37, 20.8	4.44, 17.8	5.24, 14.22	5.24, 6.2
22	0.037	5.24, 6.2	5.24, 14.22	4.44, 17.8	7.2, 15.6	7.2, 6.2
29	0.031	1.5, 20.8	1.5, 93	2.9, 95.5	3.1, 93	3.1, 20.8
29	0.0366	3.1, 20.8	3.1, 93	4.3, 95.5	4.3, 20.8	
30	0.043	1.8, 10	1.8, 38.3	2.8, 38.3	3.1, 24	3.1, 10
30	0.052	3.1, 10	3.1, 24	2.8, 38.3	4.5, 38.3	4.5, 10
31	0.0269	N/A, 4	N/A, 4	N/A, 20	N/A	N/A, 20
336	0.048	2.0, 22.2	2.0, 83.3	2.65, 86.1	4.4, 73.7	4.4, 22.2
336	0.0527	4.4, 22.2	4.4, 73.7	2.65, 86.1	5.42, 94.4	5.42, 22.2
337	0.048	1.8, 6.8	1.8, 31.8	2.68, 31.8	4.3, 25	4.3, 6.8
337	0.065	4.3, 6.8	4.3, 25	2.68, 31.8	6.2, 31.8	6.2, 6.8

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

- b. Part 5a does not apply to low firing rate conditions (i. e., firing rate less than or equal to 20% of the unit's rated capacity) during startup or shutdown periods or periods of curtailed operation (ex. during heater idling, refractory dryout, etc.) lasting 5 days or less. During these conditions the means for determining compliance with the refinery wide limit shall be accomplished using the method described in 9-10-301.2 (i.e. units out of service and 30-day averaging data).
- c. Part 5a does not apply during any source test required or permitted by this condition. (Reg. 9- 10- 502). See Part 7 for the consequences of source test results that exceed the emission factors in Part 5.

6a. The owner/operator may deviate from the NOx Box (either the firing rate or oxygen limit) provided that the owner/operator conducts a district approved source test which replicates the past operation outside of the established ranges. The source test representing the new conditions shall be conducted no later than the next regularly scheduled source test period, or within eight months, whichever is sooner. The source test results will establish whether the source was operating outside of the emission factor utilized for the source. The source test results shall be submitted to the district source test manager within 60 days of the test. As necessary, a permit amendment shall be submitted.

i.Source Test <= Emission Factor

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

ii. Source Test > Emission Factor

If the results of this source test exceed the permitted emission concentrations or emission rates then, utilizing measured emission concentration or rate, the owner/operator shall apply the higher emission factor retroactively to the date of the previous source test and provide sufficient NOx IERCs for that time period to ensure the facility is in compliance with the refinery wide limit specified in Regulation 9-10-301. The owner/operator will be in violation of Regulation 9-10-301 for each day there are insufficient NOx IERCs provided to bring the refinery wide average into compliance with Regulation 9-10-301. The facility may submit a permit application to request an alteration of the permit condition to change the NOx emission factor and/or adjust the operating range, based on the new test data.

- 6b. The owner/operator must report conditions outside of box within 96 hours of occurrence.
- 7. For each source subject to Part 3, the owner/operator shall conduct source tests at the schedule listed below. The source tests are performed in order to measure NOx, CO, and O2 at the as-found firing rate, or at conditions reasonably specified by the APCO. The source test results shall be submitted to the District Source Test Manager within 60 days of the test. [Regulation 9-10-502]

a.Source Testing Schedule

- i. Heater < 25 MMBtu/hr: One source test per consecutive 12 month period. The time interval between source tests shall not exceed 16 months.
- ii. Heaters = 25 MMBtu/hr: Two source tests per consecutive 12 month period. The time interval between source tests shall not exceed 8 months and not be less than 5 months apart. The source test results shall be submitted to the district source test manager within 60 days of the test. [Regulation 9-10-502]
- b.If the results of any source test under this part exceed the permitted concentrations or emission rates, the owner/operator shall follow the requirements of Part 6a(ii). If the owner/operator chooses not to submit an application to revise the emission factor, the owner/operator shall conduct another Part 7 source test, at the same conditions, within 90 days of the initial test.
- 8.For each source listed in Part 1 with a NOx CEM installed, the owner/operator shall conduct semi-annual district approved CO source tests at as-found conditions. The time interval between source tests shall not exceed 8 months. District conducted CO emission tests associated with District-conducted NOx CEM field accuracy tests may be substituted for the CO semi-annual source tests.
- 9. For any source listed in Part 1 for which any two source test results over any consecutive five year period are greater than or equal to 200 ppmv CO at 3% O2, the owner/operator shall properly install, properly maintain, and properly operate a CEM to continuously measure CO and O2. The owner/operator shall install the CEM within the time period allowed in the District's Manual of Procedures. [Regulation 9-10-502, 1-522]
- 10. In addition to records required by 9-10-504, the facility must maintain records of all source tests conducted to demonstrate compliance with Parts 1 and 5. These records shall be kept on site for at least five years from the date of entry in a District approved log and be made available to District staff upon request. [Recordkeeping, Regulation 9-10-504]
- *11. The sources listed in Part 1 of this condition make up the group of sources that are operating under an Alternative Compliance Plan (ACP). The owner/operator shall demonstrate compliance with their ACP and with Regulation 9-10-301 by keeping a spreadsheet of the ACP calculations in a District approved format.

[basis:Regulation 2-9-303, 9-10-301]

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

- *12. The owner/operator shall submit quarterly reports to the APCO, within 30 days following the end of each calendar quarter, or other 3-month interval established in the plan. Each quarterly report shall include:
 - a. ummary of the amount of IERC's used during the previous quarter;
 - b. Sum of all IERC's used during the current ACP period;
 - c. A projection of the IERC's that are needed for the entire ACP period based on the IERC usage rates calculated in Parts 12a and 12b of this condition, including the Environmental Benefit Surcharge, per Regulation 2-9-309; and
 - d.Certification that the facility possesses IERC's equal to the amount projected in Part 12c of this

condition or a description of how the facility will adjust its operat ion so that the amount of IERC's does not exceed the amount of IERC's possessed by the facility.

[basis: Regulation 2-9-502.3]

- *13. The owner/operator shall submit an annual reconciliation report to the APCO within 30 days of following the end of the ACP period, and surrender the banking certificate(s) for all IERC's used during the ACP period, including the environmental benefit surcharge, per Regulation 2-9-309. [basis:Regulation 2-9-502.4]
 - *14. The ACP must be reviewed and approved by the APCO on an annual basis. The owner/operator shall submit all necessary documents mentioned in Regulation 2-9-303 with ACP renewal request. [basis: Regulation 2-9-303]
 - *15. The owner/operator shall retain records for five years from the date the record was made, and shall submit such information as required by the APCO to determine compliance with the ACP. [basis: Regulation 2-9-502.2]

CONDITION 22121

For Sources S452, S453, S455, S457, S458, S500, Cooling Towers (Application 10349)

- 1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water at each cooling tower above on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]
- 2. The owner/operator shall take a sample of the cooling tower water 3 times per week at each cooling tower above and analyze for chlorine content as an indicator of hydrocarbon leakage into the cooling water. On a monthly basis, the owner/operator shall sample the water in the inlet line and in the return line of each cooling tower and determine the VOC content in each line using EPA laboratory method 8015. [Regulation 2-6-503]
- 3. The owner/operator shall maintain monthly records of sodium hypochlorite (NaOCl) usage at each cooling tower above. [Regulation 2-6-501]
- 4. *The owner/operator shall sample the cooling tower water at each cooling tower at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [Regulations 2-6-503, Regulation 3]
- 5. If the monitoring in part 1 or part 2 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]
- 6. If the monitoring in part 1 or part 2 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed

each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly basis. If a hydrocarbon leak occurs at Sources S452, S457, S458, or S500, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at any source. If more than 5 tons VOC per year is emitted at S452, S457, S458, or S500, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]

- 7. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling towers. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that S452 has not emitted more than 5 tons particulate per year. [Regulations 2-1-319.1, 3]
- 8. The owner/operator shall maintain the following records for five years from the date of record:
 - a. Records of daily visual inspection
 - b. Records of chlorine content every shift (twice/day)
 - c. Records of daily usage of sodium hypochlorite
 - d. Records of monthly determination of total dissolved solids
 - e. Records of any indications of hydrocarbon leaks
 - f. Records of any analyses of VOC content in cooling tower inlet and outlet [Regulation 2-6-501]

CONDITION 22122

For Source S456, Cooling Tower (Application 10349)

- 1. The owner/operator shall take a sample and perform a visual inspection of the cooling tower water on a daily basis to check for signs of hydrocarbon in the cooling water. [Regulation 2-6-503]
- 2. The owner/operator shall sample the cooling tower water at least once per month and subject the sample to a District approved laboratory analysis to determine its total dissolved solids content. [basis: Regulations 2-6-503, 3]
- 3. If the monitoring in part 1 indicates that there is a hydrocarbon leak into the cooling water, the owner/operator shall submit a report to the Enforcement and the Engineering divisions at the District. The owner/operator shall submit reports on a weekly basis until the monitoring indicates that no hydrocarbon leaks into the cooling water. [Regulation 1-441]
- 4. If the monitoring in part 1 indicates a hydrocarbon leak for longer than 4 weeks, the owner/operator shall estimate the daily amount of VOC emitted using the following procedure. The owner/operator shall sample the water in the inlet line and in the return line and determine the VOC content in each line using EPA laboratory method 8015. This analysis shall be performed each week until VOC levels return to normal. The owner/operator shall report the VOC estimates to the Enforcement and the Engineering divisions at the District on a monthly

basis. If a hydrocarbon leak occurs, the owner/operator shall use the VOC estimates to confirm that no more than 5 tons VOC per year was emitted at the source. If more than 5 tons VOC per year is emitted at the source, the facility shall submit an application for a District permit within 90 days of determining that the source is subject to District permits. [Regulations 1-441, 2-1-424, 2-6-416.2, 2-6-501, 2-6-503]

5. The owner/operator shall use the total dissolved solids monitoring to estimate annual emissions of particulate from the cooling tower. The estimated annual emissions shall be reported to the Engineering Divisions by June 30th of each year as part of the annual update. The owner/operator shall use this estimate to confirm that the cooling tower has not emitted more than 5 tons particulate per year. [Regulation 2-6-501, 3]

CONDITION 22478

For Sources S123 (Tank 168), S124 (Tank 169), S186 (Tank 298), and S334 (Tank 107)

- 1. The owner/operator shall ensure that S123 contains only water and petroleum liquid with a true vapor pressure less than or equal to 3.0 psia. [Cumulative Increase]
- 2. The owner/operator shall ensure that S124 contains only water and petroleum liquid with a true vapor pressure less than or equal to 11.0 psia. [Cumulative Increase]
- 3. The owner/operator shall ensure that the emissions of S186 do not exceed 2,231 lb VOC in any consecutive 12-month period. S186 shall only contain petroleum liquids. [Cumulative Increase]
- 4. The owner/operator shall ensure that S334 contains only crude oil or a less volatile petroleum liquid with a true vapor pressure less than or equal to 6.75 psia. [Cumulative Increase]
- 5. The owner/operator shall ensure that the throughput of petroleum liquids at S123 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]
- 6. The owner/operator shall ensure that the throughput of petroleum liquids at S124 does not exceed 3,000,000 barrels/yr. [Cumulative Increase]
- 7. The owner/operator shall ensure that the throughput of crude oil or other petroleum liquids at S334 does not exceed 5,000,000 barrels/yr. [Cumulative Increase]
- 8. The owner/operator shall equip S123, S124, S186, and S334 with a BAAQMD approved roof with mechanical shoe primary seal and zero gap secondary seal meeting the design criteria of BAAQMD Regulation 8, Rule 5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]
- 9. The owner/operator shall calculate the emissions of S186 on a calendar month basis using the

AP-42 equations. The owner/operator shall use actual throughputs, actual vapor pressures, and actual temperature data for each month. The owner/operator shall calculate the emissions for the last 12-month period on a monthly basis. The calculations shall be complete within a calendar month after the end of each monthly period. [Cumulative increase]

CONDITION 22518

For Sources S135 (Tank 200), S137 (Tank 202)

- 1. The owner/operator shall ensure that S135 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]
- 2. The owner/operator shall ensure that S137 contains only petroleum liquid with a true vapor pressure less than or equal to 11 psia. [Cumulative Increase]
- 3. The owner/operator shall ensure that the throughput of petroleum liquids at S135 and S137 does not exceed 10,000,000 barrels/yr at each tank. [Cumulative Increase]
- 4. The owner/operator shall ensure that S135 and S137 are controlled at all times that petroleum fluids are stored in the tanks by A7, Vapor Recovery System. [Cumulative Increase]
- 5. The owner/operator shall not clean S135 and S137 when switching from one petroleum fluid to another. [Cumulative Increase]

CONDITION 22549

Source 318, U76 Gasoline/Mid Barrel Blending Unit

- 1. The owner/operator shall ensure that the daily throughput of petroleum liquids, excluding diesel, at S318, U76 Gasoline/Mid Barrel Blending Unit, does not exceed 113,150 barrels/day. No daily limit is placed on diesel. [Cumulative Increase]
- 2. The owner/operator shall ensure that the throughput of petroleum liquids excluding diesel at S318 does not exceed 41,300,000 barrels/yr. [Cumulative increase]
- 3. The owner/operator shall keep daily records of throughput of all petroleum fluids at S318, U76 Gasoline/Mid Barrel Blending Unit, in a District-approved log. These records shall be kept for at least five years and shall be made available to the District upon request. [Cumulative Increase]
- 4. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]

CONDITION 22951

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

- 1. The Healy EVR Phase II Vapor Recovery System without ISD, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order VR-201. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
- The owner/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.
- a. Monthly throughput of gasoline pumped, summarized on an annual basis
- b. All scheduled maintenance activities required under E.O. VR-201, Exhibit 2, Figure 2B-11.
- 3. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight as defined in District Manual of Procedures, Volume IV, ST-30.
- 4. The Healy EVR Phase II system shall be capable of demonstrating on-going compliance with the vapor integrity requirements of CARB Executive Order VR-201. The owner or operator shall conduct and pass the following tests at least once in each 12-month period following successful completion of start-up testing. Tests shall be conducted using the referenced test methods:
- a. Vapor-to-Liquid Test in accordance with E.O. VR-201, Exhibit 5. The vapor-to-liquid ratio shall be between 0.95 and 1.15 when measured at dispensing rates between 6 and 10 gallons per minute.
- b. Healy Clean Air Separator Static Pressure Performance test in accordance with E.O. VR-201, Ex. 4.
- c. Static Pressure Performance Test, in accordance with CARB Test Procedure TP-201.3 (3/17/99). If the tank size is 500 gallons or less, the test shall be performed on an empty tank.
- 5. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within fifteen (15) days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).
- 6. The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be twenty (20) feet. The maximum allowable length of hose which may be in contact with the

top of the island block or the ground shall be six (6) inches.

- 7. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the trigger at the highest setting. Compliance with this condition shall be verified with only one nozzle in operation per product supply pump.
- 8. All ball valves shall be positioned for normal operation as shown in E.O. VR-201, Ex. 2, Figs. 2B-5 through 2B-9 except when necessary for testing and maintenance.
- 9. The Healy EVR Phase II Vapor Recovery System without ISD shall be maintained in accordance with the System Operating Manual approved by CARB.
- 10. No dispensing shall be allowed when a vapor collection pump is disabled for maintenance or for any other reason. Only those nozzles affected by the disabled vapor collection pump are subject to this condition.
- 11. Permanent access to vacuum assist equipment shall be provided for the purpose of inspection and/or testing.
- 12. The Healy EVR Phase II Vapor Recovery System without ISD shall be retrofitted with ISD controls as required by CARB.

CONDITION 22962

Source 45, U246 B-801 A/B Heater

- 1. The owner/operator of the S45 heater shall fire only refinery fuel gas and/or natural gas at this unit. [BACT, Cumulative Increase]
- 2. Based on refinery gas HHV, the owner/operator of S45 shall not exceed the following firing rates:
 - a. 85 MMbtu/hr
 - b. 744,600 MMbtu in any consecutive 12-month period. [Cumulative Increase]
- 3. The owner/operator of S45 shall abate emissions from S45 at the A47 SCR system whenever S45 is operated, except that S45 may operate without SCR abatement on a temporary basis for periods of planned or emergency maintenance. A District-approved NOx CEM shall monitor and record the S45 NOx emission rate whenever S45 operates without abatement. All emission limits applicable to S45 shall remain in effect even if it is operated without SCR abatement. [BACT, Cumulative Increase]
- 4. The owner/operator of S45 shall not exceed the following emission concentrations or rates from S45/A47 except during startups and shutdowns. Startups and shutdowns shall not exceed 48 consecutive hours. The 48 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 24 consecutive hours.

a. NOx: 5 ppmv @ 3% oxygen (3 hr average) [BACT, Cumulative Increase]

b. CO: 28 ppmv @ 3% oxygen (3 hr average) when operating under 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]

c. POC: 5.5 lb/MM ft3 [Cumulative Increase]

d. PM10: 7.6 lb/MM ft3 [BACT, Cumulative Increase]

e. CO: 10 ppmv @ 3% oxygen (3 hr average) when operating over 30 MMbtu/hr [BACT, Cumulative Increase, 40 CFR 63.52(a)]

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

5. *The owner/operator of S45 shall not exceed the following emission rate from S45/A47 except during startups and shutdowns. Startups and shutdowns shall not exceed 48 consecutive hours. The 48 consecutive-hour startup period is in addition to heater dryout/warmup periods, which shall not exceed 24 consecutive hours.

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

- 6. The owner/operator of S45 shall not exceed the following annual emission rates from S45/A47 including startups, shutdowns, and malfunctions.
 - a. NOx: 2.3 tons/yr [BACT, Cumulative Increase]
 - b. CO: 2.8 tons/yr [BACT, Cumulative Increase]
 - c. POC: 1.5 tons/yr [Cumulative Increase]
 - d. PM10: 2.1 tons/yr [BACT, Cumulative Increase]
 - e. SO2: 4.7 tons/yr [BACT, Cumulative Increase]

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

- 7. The owner/operator shall equip S45 with a District-approved continuous fuel flow monitor and recorder in order to determine fuel consumption. A parametric monitor as defined in Regulation 1-238 is not acceptable. The owner/operator shall keep continuous fuel flow records for at least five years and shall make these records available to the District upon request. [Cumulative Increase]
- 8. The owner/operator shall install, calibrate, maintain, and operate District-approved continuous emission monitors and recorders for NOx and O2. The owner/operator shall keep NOx and O2 data for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]
- 9. The owner/operator shall conduct District-approved source tests two times per year to determine compliance with the CO limit. The tests shall be no less than 4 months apart and no more than 8 months apart. The source tests shall be performed on the heater in an as-found condition. CO source tests performed by the District may be substituted for semi-annual CO source tests. If the heater exceeds the limits in parts 4b or 4e more than once in any 3-year period, the owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor and recorder for CO within the time period specified in the District Manual of Procedures after the second exceedance of the limits in parts 4b or 4e. The owner/operator shall

keep CO data for at least five years and shall make these records available to the District upon request.

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

[BACT, Cumulative Increase]

- 10. The owner/operator shall use only refinery fuel gas and/or natural gas at S45 that does not exceed 100 ppmv total sulfur, averaged over a calendar month. [BACT, Cumulative Increase]
- 11. The owner/operator shall test refinery fuel gas prior to combustion at S45 to determine total sulfur concentration by GC analysis or with a total sulfur analyzer (Houston Atlas or equivalent) at least once per 8-hour shift (3 times per calendar day). At least 90% of these samples shall be taken each calendar month. No readable samples or sample results shall be omitted. [BACT, Cumulative Increase]
- 12. To demonstrate compliance with Part 10, the owner/operator shall measure and record the daily average sulfur content. The owner/operator shall keep records of sulfur content in fuel gas for at least five years and shall make these records available to the District upon request. [BACT, Cumulative Increase]
- 13. Deleted Application 13427.
- 14. The owner/operator shall record the duration of all startups, shutdowns, and heater dryout/warmup periods to determine compliance with parts 4 and 5. The owner/operator shall keep the records for at least five years and shall make these records available to the District upon request. [2-6-503]
- 15. Prior to the commencement of construction, the owner/operator shall submit plans to the District's Source Test Manager to obtain approval of the design and location of the source test ports. The sample ports shall be installed in accordance with Manual of Procedures, Volume 4, Section 1.2.4. (basis: Regulation 1-501)
- 16. No later than 90 days from the startup of S45, the owner/operator shall conduct District-approved source tests to determine initial compliance with the limits in Part 4 for NOx, CO, POC, PM10 and ammonia, and the emission rate of sulfuric acid mist. For PM10, USEPA Methods 201 and 202 with the back-half ammonium sulfate subtracted shall be used. The owner/operator shall conduct the source tests in accordance with Part 17. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test. [BACT, Cumulative Increase, Regulation 2, Rule 5]

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

CONDITION 22963

For Sources S98 (Tank 101), S118 (Tank 163), S122 (Tank 167), S128 (Tank 174), S139 (Tank 204); S140 (Tank 205)

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

1. The owner/operator shall ensure that the following tanks contain only petroleum liquids with true vapor pressures less than or equal the vapor pressures below.

a.	S98	11 psia October through March
b.	S98	8.5 psia April through September
c.	S118	0.5 psia
d.	S122	11 psia
e.	S128	4.4 psia
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[Cumulative Increase]

2. The owner/operator shall ensure that the throughput of petroleum liquids at the following tanks do not exceed the following throughput limits.

a.	S98	3,723,000 barrels October through March
b.	S98	3,723,000 barrels April through September
c.	S118	900 barrels per consecutive 12-month period
d.	S122	2,000,000 barrels per consecutive 12-month period
e.	S128	5,100,000 per consecutive 12-month period

[Cumulative Increase]

- 3. The owner/operator shall ensure that S139 and S140 are abated by A7, Vapor Recovery System. [8-5-301, 40 CFR 61, Subpart FF]
- 4. The owner/operator shall equip S98, S122, and S128 with a BAAQMD approved roof with mechanical shoe primary seal and zero gap secondary seal meeting the design criteria of BAAQMD Regulation 8, Rule 5. The owner/operator shall ensure that there are no ungasketed roof penetrations, no slotted pipe guide poles unless equipped with float and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or equivalent. [BACT, cumulative increase]
- 5. The owner/operator shall keep records of the throughput at S118 on a monthly basis. (Cumulative Increase)

CONDITION 22964

Sources S301, S302, S303, Sulfur Pits

- 1. The owner/operator shall ensure that the throughput of molten sulfur at S301, S302, and S303 combined does not exceed 98,915 long tons per consecutive 12-month period. [Cumulative Increase]
- 4. The owner/operator shall ensure that S301, Molten Sulfur Pit, is abated by A8, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]
- 5. The owner/operator shall ensure that S302, Molten Sulfur Pit, is abated by A9, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]
- 6. The owner/operator shall ensure that S303, Molten Sulfur Pit, is abated by A10, Stretford Evaporative Cooler. [Consent Decree Case No. 05-0258, paragraph 123, DATE: 1/27/05; Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07; 40 CFR 60.104(a)(2)(i)]
- 7. Notwithstanding the requirements of parts 4-6, the owner/operator may disconnect the vent lines from S301, S302, and S303, Molten Sulfur Pits, to A8, A9, and A10, Stretford Evaporative Coolers, for periodic maintenance without penalty, as long as the owner/operator takes reasonable measures to minimize emissions while such periodic maintenance is being performed. [Consent Decree Case No. 05-0258 amendment, paragraph 123, DATE: 5/1/07]

CONDITION 22965

Source S307, U240 Unicracking Unit

- 1. The owner/operator shall ensure that the throughput of S307 does not exceed 65,000 barrels/day. [Cumulative Increase]
- 2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]
- 3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]

CONDITION 22966

Source S308, U244 Reforming Unit

- 1. The owner/operator shall ensure that the throughput of S308 does not exceed 18,500 barrels/day.
- 2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]
- 3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]

CONDITION 22967

Source S309, U248 Unisar Unit

- 1. The owner/operator shall ensure that the throughput of S309 does not exceed 16,740 barrels/day.
- 2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

CONDITION 22968

Source S339, U80 Gasoline/Mid Barrel Blending

- 1. The owner/operator shall ensure that the throughput of S339 does not exceed 52,600,000 barrels over any rolling 12-month period.
- 2. The owner/operator shall keep throughput records for this source on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]

CONDITION 22969

Source S434, U246 High Pressure Reactor Train (Cracking)

- 1. The owner/operator shall ensure that the throughput of S434 does not exceed 8,395,000 barrels over any rolling 12-month period.
- 2. The owner/operator shall keep throughput records for this source on a monthly basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]
- 3. All pressure relief devices on the process unit shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98% by weight. [8-28-302, BACT]

CONDITION 22970

A. CFEP Project Mass Emission Limits

1. Following are the sources that are subject to Condition 22970, parts A2, A4, and A.5:

S45, Heater (U246 B-801 A/B)

S434, U246 High Pressure Reactor Train (Cracking)

S1010, U235 Sulfur Recovery Unit

[Cumulative increase, PSD]

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

a. NOx
b. SO2
c. PM10
d. POC
e. CO
13.5 tpy [Cumulative increase]
24.4 tpy [Cumulative increase]
25.5 tpy [Cumulative increase]
19.9 tpy [Cumulative increase]
40.72 tpy [Cumulative increase]

f. Sulfuric acid mist 6.01 tpy [PSD]

*g. Ammonia 6.35 tpy [BAAQMD Regulation 2, Rule 5]

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

38 lb/day [PSD]

- 4. The owner/operator shall determine whether the emissions are below the allowable emissions in Part A.2, as shown below. The owner/operator shall calculate and report the emissions of NOX, SO2, PM10, POC, CO, and sulfuric acid mist on an annual basis in the following manner.
 - a. For Source S45, Heater
 - i. Use the mass emissions data generated by the NOx CEM at S45.
 - ii. Use the emissions rates determined by semi-annual source tests for CO at S45.
 - iii. Use the emissions rates determined by initial source test for POC, PM10, and sulfuric acid mist at S45.
 - iv. *Use the emissions rates determined by initial source test for ammonia at S45.
 - v. Use the sulfur analysis of fuel required by Condition 22862, part 11 at S45. [Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]
 - b. For Source S1010, Sulfur Recovery Unit
 - i. Use the mass emissions data generated by the SO2 and CO CEMs at S1010.
 - ii. Use the emissions rates determined by annual source tests for NOx and sulfuric acid mist at \$1010.
 - iii. *Use the emissions rates determined by annual source test for ammonia at S1010.
 - iv. Use the emissions rates determined by initial source test for POC and PM10 at S1010. [Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]
 - c. For the refinery flare S296

- i. Calculate any emissions caused by venting the contents of any part of the sulfur recovery unit including S1010, A48, and A424 to the refinery flare.
- ii. Calculate any emissions caused by venting the contents of any part of S434 to a refinery flare.
- iii. The owner/operator shall calculate any emissions caused by venting the feed to Facility B7419, sources S1 or S2 to the refinery flare.[Cumulative increase, PSD, BAAQMD Regulation 2, Rule 5]
- 5. If the annual emissions, as determined in part 4, are above the allowable emissions in part A.2, the owner/operator shall supply additional offsets, where applicable, and perform additional analysis for PSD, if necessary. The results of the analysis shall be submitted to the Director of Compliance and Enforcement on an annual basis on the anniversary of the startup of S1010 or S434, whichever is earlier. [Offset, PSD]
- 6. The annual emissions of the following sources shall not exceed 16.3 tons PM10/yr: S45, S434, and S1010 at Facility A0016, and S2 and S3 at Facility B7419. If the emissions exceed 16.3 tons per year, the owners/operators of Facilities A0016 and B7419 shall provide contemporaneous offsets of PM10 that comply with BAAQMD Regulations 2-2-201 and 2-2-605. The owners/operators shall use the following data to calculate the annual PM10 emissions:
 - a. The emissions rate of PM10 determined by the initial source tests at S45 and S1010 at Facility A0016
 - b. The emissions rate of PM10 determined by the initial source test at S2 at Facility B7419
 - c. The emissions rate of PM10 calculated for venting the contents of any part of S434 to a refinery flare
 - d. The emissions rate of PM10 calculated for venting the contents of any part of S1010, A48, and A424 to a refinery flare
 - e, The emissions rate of PM10 calculated for operation of S3, Hydrogen Plant Flare, at Facility B7419

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

B. Contemporaneous Offset Conditions

1. The owner/operator shall submit an offset report to the Director of Compliance and Enforcement and the Manager of Permit Evaluation at the end of every quarter after the initial date of startup of any of the new CFEP sources below. The report shall contain the detail of banked and contemporaneous offsets provided for each source to show compliance with the provision in BAAQMD Regulation 2-2-410 that offsets must commence no later than the initial operation of a new source or within 90 days after initial operation of a modified source. After all of the offsets required are provided, the owner/operator may submit the final report, even if all of the sources in the CFEP project are not built.

New CFEP Sources Plant B7419, S1, Hydrogen Plant

Plant B7419, S2, Hydrogen Plant Furnace Plant B7419, S3, Hydrogen Plant Flare Plant A0016, S45, Heater Plant A0016, S434, U246 High Pressure Reactor Train Plant A0016, S1010, U235 Sulfur Recovery Unit

Contemporaneous Offset Sources
Plant A0016, S1007, Dissolved Air Flotation Unit (DAF)
Plant A0016, S8, Unit 240 B-1
Plant A0016, S352 – S357, Steam Power Plant Gas Turbines and HRSGs
Plant A0022, S2, Kiln K-2
[2-1-403, 2-2-410]

CONDITION 23125

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

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

- 1. The owner/operator shall ensure that the throughput of molten sulfur at S1010 does not exceed 200 long tons/day. [Cumulative Increase]
- 2. The owner/operator shall ensure that the throughput of molten sulfur at S503 does not exceed 471 long tons/day. [Cumulative Increase]
- 3. The owner/operator shall ensure that S1010 is abated at all times of operation by A48, SRU Tail Gas Treatment Unit, and A424, Incinerator. [Cumulative Increase]
- 4. The owner/operator shall ensure that S503, Sulfur Storage Tank, S504, Sulfur Degassing Unit, and S505, Sulfur Truck Loading Rack, are controlled at all times of operation by the Claus reaction furnace at S1010 or S1003, Sulfur Recovery Units. [Cumulative Increase, 2-1-305]
- 5. All pressure relief devices on S1010 shall be vented to a fuel gas recovery system, furnace, or flare with a recovery/destruction efficiency of 98%. [8-28-302, BACT]
- 6. The owner/operator shall ensure that the supplemental fuel used at A424, Tail Gas Incinerator, is PUC quality natural gas. [BACT]
- 7. The owner/operator shall not exceed the following emission concentrations from \$1010/A48/A424:
 - a. SO2 50 ppmv, dry, @ 0% O2, 24-hour basis. [BACT]

- b. CO 75 ppmvd, dry, @ 7% O2, 1-hour basis. [BACT]c. NOx 42.2 ppmv, dry, @ 7% O2, 1-hour basis. [BACT]
- *8. The owner/operator shall not exceed the following emission concentrations from \$1010/A48/A424:
 - a. NH3 12.5 ppmv @ 7% O2, 24-hour basis [Regulation 2, Rule 5]
 - b. H2S: 2.5 ppmv @ 0% O2, 24-hour basis [Regulation 2, Rule 5]
- 9. The owner/operator shall not exceed the following hourly limits from \$1010/A48/A424:
 - a. NOx: 8.0 lb/hr [2-1-305]
 - *b. H2S: 0.23 lb/hr [Regulation 2, Rule 5]
 - *c. NH3: 0.88 lb/hr [Regulation 2, Rule 5]
- 10. The owner/operator shall ensure that daily emissions, including startups, shutdowns, upsets, and malfunctions, from S1010/A48/A424 do not exceed the following limits:
 - a. Sulfuric acid mist: 31 lb/day [PSD]
 - b. PM10: 3.36 lb/day [2-1-301]
- 11. The owner/operator shall ensure that that annual emissions, including startups, shutdowns, upsets, and malfunctions, from S1010/A48/A424, do not exceed the following limits per any consecutive 12-month period:
 - a. SO2: 29.7 tons [BACT, Cumulative Increase]
 - b. NH3: 3.85 tons [Regulation 2, Rule 5]
 - c. CO: 37.9 tons [BACT, Cumulative Increase]
 - d. NOx: 11.2 tons [BACT, Cumulative Increase]
 - e. POC: 0.43 tons [Cumulative Increase]
 - f. PM10: 0.59 tons [Cumulative Increase]
 - g. Sulfuric acid mist: 5.65 tons [2-1-301]
 - *h. H2S: 0.975 tons [Regulation 2, Rule 5]
 - i. Total Reduced Sulfur: 10 tons [PSD]
 - j. Reduced Sulfur Compounds: 10 tons [PSD]
 - k. H2S: 10 tons [PSD]
- 12. Prior to the commencement of construction, the owner/operator shall submit plans to the District's Source Test Division to obtain approval of the design and location of the source test ports. The sample ports shall be installed in accordance with Manual of Procedures, Volume 4, Section 1.2.4. Ports for filterable particulate and PM10 testing shall be installed. [basis: Regulation 1-501]
- 13. No later than 90 days from the startup of S1010, the owner/operator shall conduct District-approved source tests to determine (1) initial compliance with the limits in Parts 7, 8, 9, and 13 for NOx, CO, POC, PM10, SO2, sulfuric acid mist, H2S, ammonia, (2) the BAAQMD Regulation 6 requirements below, and (3) the emission rates in lbs/dry standard cubic foot of NOx, POC, PM10, sulfuric acid mist, NH3, H2S, and reduced sulfur compounds. The owner/operator shall conduct the source tests in accordance with Part 19. The owner/operator shall submit the source test results to the District staff no later than 60 days after the source test.

During the source test, the owner/operator shall determine the temperature required to achieve an outlet concentration of 2.5 ppmv H2S @ 0% O2, mass emissions of 0.23 lb/hr of H2S, mass emissions of 2.2 lb/hr of reduced sulfur compounds, and 2.2 lb/hr of total reduced sulfur, while meeting all other limits. The temperature shall become an enforceable limit.

- a. BAAQMD Regulation 6-1-310 and SIP Regulation 6-310: 0.15 gr PM/dscf
- b. BAAQMD Regulation 6-1-311 and SIP Regulation 6-311: PM emissions based on Process Rate Weight
- c. BAAQMD Regulation 6-1-330 and SIP Regulation 6-330: SO3 and H2SO4 limit Compliance with the 24-hour H2S and NH3 concentration limits shall be shown using three 30-minute runs as provided by the test method, unless the owner/operator chooses to run the test for 24 hours. If the rate of reduced sulfur compounds, including H2S, exceeds 2.2 lb/hr, or if the rate of total reduced sulfur, including H2S, exceeds 2.2 lb/hr, the District reserves the right to require additional PSD analysis or to impose a higher temperature limit for S424, Incinerator, to control total reduced sulfur and reduced sulfur compounds.
- [BACT, Cumulative Increase; Regulation 2, Rule 5; BAAQMD Regulation 6; PSD, 40 CFR 64.6(d)]
- 14. After the initial source test required in part 13 of this condition, the owner/operator shall ensure that the minimum temperature shall not be lower than the temperature determined in the initial source test. The temperature limit will be added to this part after the source test is performed. The owner/operator shall submit the source test results to District staff no later than 60 days after any source test. [Offsets, 40 CFR 64]
- 15. To determine compliance with the temperature limit in part 14, A48, Thermal Oxidizer, shall be equipped with a temperature measuring device capable of continuously measuring and recording the temperature in A48. The temperature monitor shall be installed prior to startup. The owner/operator shall install, and maintain in accordance with manufacturer's recommendations, a temperature measuring device that meets the following criteria: the minimum and maximum measurable temperatures with the device are (TBD) degrees F and (TBD) degrees F, respectively, and the minimum accuracy of the device over this temperature range shall be 1.0 percent of full-scale. [Regulation 1-521, 40 CFR 64.6(d)]
- 16. The temperature limit in part 14 shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. For the purposes of parts 16 and 17 of this condition, a temperature excursion refers only to temperatures below the limit. An Allowable Temperature Excursion is one of the following:
 - a. A temperature excursion not exceeding 20 degrees F; or
 - b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or
 - c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
 - i. the excursion does not exceed 50 degrees F;
 - ii. the duration of the excursion does not exceed 24 hours; and
 - iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12 excursion limit. [Regulation 2-1-403]

- 17. For each Allowable Temperature Excursion that exceeds 20 degrees F and 15 minutes in duration, the Permit Holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:
 - a. Temperature controller setpoint;
 - b. Starting date and time, and duration of each Allowable Temperature Excursion;
 - c. Measured temperature during each Allowable Temperature Excursion;
 - d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
 - e. All strip charts or other temperature records.

[Regulation 2-1-403]

- 18. For the purposes of parts 16 and 17 of this condition, a temperature excursion refers only to temperatures below the limit. (Basis: Regulation 2-1-403)
- 19. The owner/operator shall submit protocols for all source test procedures to the District's Source Test Section at least three weeks prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements for continuous emissions monitors as specified in Volume V of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the projected test dates at least 7 days prior to testing. [BACT, Cumulative Increase; Regulation 2, Rule 5]
- 20. The owner/operator shall perform an annual District-approved source test to verify compliance with the following requirements. A copy of the source test results shall be provided to the District Director of Compliance and Enforcement within 60 days of the test.
 - a. BAAQMD Regulation 6-1-310 and SIP Regulation 6-310: 0.15 gr PM/dscf
 - b. BAAQMD Regulation 6-1-311 and SIP Regulation 6-311: PM emissions based on Process Rate Weight
 - c. BAAQMD Regulation 6-1-330 and SIP Regulation 6-330: SO3 and H2SO4 limit
 - d. Emission rates in parts 7c, 8a, 8b, 9a, 9b, and 9c of this condition.
 - e. Emission rates of sulfuric acid mist, total reduced sulfur, and reduced sulfur compounds Compliance with the 24-hour H2S concentration limit shall be shown using three 30-minute runs as provided by the test method, unless the owner/operator chooses to run the test for 24 hours. [BACT; BAAQMD Regulation 6, Rule 1; SIP Regulation 6; PSD; Regulation 2, Rule 5; Cumulative increase]
- 21. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous emission monitor (CEM) and recorder for exhaust gas flowrate, SO2 and O2. The CEM shall be installed prior to startup. The owner/operator shall keep exhaust gas flow, SO2 and O2 data for at least five years and shall make these records available to the District upon request. The owner/operator shall measure SO2 concentration and mass emissions on a clock-hour basis. The monitors shall comply with the requirements of 40 CFR 60.105, 40 CFR 63.1572, and the District's Manual of Procedures, Volume 5. [BACT, Cumulative Increase, 40 CFR 60.105a; 40 CFR 64.6(c)(1), (c)(3), and (d); 40 CFR 63.1568(a)(1)(i)]
- 22. The owner/operator shall install, calibrate, maintain, and operate a District-approved continuous

emission monitor (CEM) and recorder for exhaust gas flow and CO. The CEM shall be installed prior to startup. The CEM shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. The owner/operator shall keep flow and CO data for at least five years and shall make these records available to the District upon request. The owner/operator shall measure CO concentration and mass emissions on a clock-hour basis. The monitors shall comply the requirements of the District's Manual of Procedures, Volume 5. [BACT, Cumulative Increase; 40 CFR 64.6(c)(1) and (d)]

- 23. Deleted Application 13427
- 24. The owner/operator shall keep throughput records for sources S1010 and S503 on a daily basis. The records shall be kept on site for a period of at least 5 years and shall be made available for inspection by District staff upon request. [Cumulative Increase]
- 25. The owner/operator shall use the source tests required in parts 13 and 20 to determine compliance with the daily limit in part 10 and the annual limits in parts 11b, 11d, 11e, 11f, 11h, and 11i. At the end of every month, the owner/operator shall summarize the exhaust gas flow in dry standard cubic feet for the month and shall calculate the estimated emissions of each pollutant for the previous consecutive 12-month period and for H2S for each day of the month using the emission rate determined in the last source test. The summaries and calculations shall be completed within 60 days of the end of each month. Alternately, the owner/operator may establish a daily and monthly exhaust gas flow level after each source test that will ensure compliance with the daily and annual limits. In this case, the owner/operator will log the daily and monthly exhaust gas flows from \$1010/A48/A424. [Cumulative increase; Regulation 2, Rule 5; Cumulative Increase, PSD]
- The Owner/Operator shall perform a visible emissions check on Source S1010 on a monthly 26. basis. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the owner/operator shall have a CARBcertified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation" for six (6) minutes within three (3) days and record the results of the reading. If the reading is in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the reading shall be recorded and the owner/operator shall continue to perform a visible emissions check on a monthly basis. If the reading is not in compliance with the Ringelmann 1.0 limit in BAAQMD Regulation 6-1-301, the owner/operator shall take corrective action and report the violation in accordance with Standard Condition 1.F of the Title V permit. The certified smoke-reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis until the daily reading shows compliance with the applicable limit or until the equipment is shut down. Records of visible emissions checks and opacity readings made by a CARB-certified smoke reader shall be kept for a period of at least 5 years from date of entry and shall be made available to District staff upon request. [Basis: BAAQMD Regulations 6-1-301, 2-1-403; SIP Regulation 6]

Additional CAM conditions:

- 27. The owner/operator shall develop specifications for the location and installation of the temperature monitor to ensure that the temperature data is representative of the concentration of H2S, reduced sulfur compounds, and total reduced sulfur. [40 CFR 64.3(b)(1)]
- 28. The owner/operator shall develop verification procedures to confirm the operational status of the temperature monitoring prior to the date that monitoring must be conducted. [40 CFR 64.3(b)(2)]
- 29. The owner/operator shall develop quality assurance and control practices for the temperature monitoring. [40 CFR 64.3(b)(3)]
- 30. The owner/operator shall record the temperature at least 4 times per hour in a computerized data acquisition system, except during times of temperature monitor malfunction that comply with BAAQMD Regulation 1-523. [40 CFR 64.3(b)(4)]
- 31. The owner/operator shall determine that an exceedance of the temperature limit has occurred when the temperature drops below the limit set in accordance with part 13 of this condition; except that a limited number of excursions may occur without penalty in accordance with parts 16 through 18 of this condition. [40 CFR 64.6(c)(2)]

CONDITION 23724

For Sources S135 (Tank 200), S137 (Tank 202), S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), S173 (Tank 280), S174 (Tank 281), S175 (Tank 284), S182 (Tank 294), S360 (Tank 223), S445 (Tank 271), S449 (Tank 285), S506 (Tank 257), Tank 235, and Tank 236.

This condition was imposed by Application 13424 and amended by Application 16940 in January 2008, and Application 13427 in 2009.

- 1a. The owner/operator shall ensure that all sources subject to this permit condition are abated by A7, Vapor Recovery System at all times of operation except for the following sources, which shall be controlled according to the schedule below:
 - 1. S168
 - 2. S173
 - 3. S174
 - 4. S506

S168 shall be abated by A7 and subject to the terms of this condition prior to the startup of S434.

S173 and S174 shall be abated when blanketing is required to preserve product or feed. S506 shall be abated by A7 and subject to the terms of this condition upon the date of startup. [Basis: Regulation 2-1-403]

- 1b. The owner/operator shall ensure that a fourth compressor is added to A7, Odor Abatement System, before more than two of the following sources are controlled by A7: S168, S173, S174, S175, S506. [Basis: Regulation 2-1-301, 2-1-305, 2-1-403, CEQA]
- 1c. The new odor abatement compressor, or a dedicated compressor, shall be designed and installed

to supplement G-503, Flare Gas Recovery Compressor. [CEQA]

- 2. The owner/operator shall ensure that all tanks subject to this permit condition are blanketed by utility-grade natural gas. [Basis: Regulation 2-1-403]
- 3. By July 5, 2009, the owner/operator shall equip all tanks subject to this permit condition except S506 with District-approved pressure monitoring devices. Upon startup, the owner/operator shall equip S506 with a District-approved pressure-monitoring device. [Basis: Regulation 2-1-403]
- 4. After the pressure monitoring devices are installed, the owner/operator shall ensure that tanks listed below operate at all times below their respective minimum set pressures, as shown in 4a and 4b of this condition. Any recorded pressure in excess of the minimum pressure shall be reported to the District's Enforcement and Engineering Divisions within 10 days of the pressure excess. The owner/operator must conduct an investigation of the incident to determine if the pressure excess resulted in the pressure/vacuum (PV) valve lifting to atmosphere and if so, why there was a pressure excess that resulted in the PV valve lifting to atmosphere. Results of the investigation must be reported to the District's Enforcement and Engineering Division within 30 days of the initial report. Any recorded pressure in excess of the minimum set pressure shall be considered an indication of a valve lift to atmosphere unless a District approved tell-tale indicator on the PV valve shows that the valve did not lift, or the owner/operator demonstrates to the satisfaction of the APCO that the recorded pressure excess was the result of a monitoring, recording or other malfunction.

The minimum set pressure for each storage tank, except S139, S140, S182, S360, S445, S449, must be submitted in a report to the District's Enforcement and Engineering Divisions within 21 months of issuance of the Authority to Construct.

a. Source Number	Minimum Set Pressure (inches H2O)
135	1.7
137	1.7
139	1.9
140	1.9
168	1.8
182	1.5
360	1.9
445	1.9
449	1.5
506	2.2

The owner/operator shall submit an accelerated permit application to include any change to any of the pressures above. Any amendment to the Title V permit to include the pressures above shall be submitted as a minor revision to the Title V permit.

[Basis: Regulation 8, Rule 5]

b. Source Number	Minimum Set Pressure (inches H2O)
173	1.8

174	1.8
175	1.3
Tank 235	2.2
Tank 236	2.2

The owner/operator shall submit an accelerated permit application to include any change to any of the pressures above. Any amendment to the Title V permit to include the pressures above shall be submitted as a minor revision to the Title V permit.

[Basis: Regulation 2-1-403]

5. The owner/operator shall ensure that each pressure relief valve for each tank must be set at or above its nominal set pressure listed in Part 4 of this permit condition. [Basis: Regulation 2-1-403]

6. Corrective Plan

The corrective plan is a means for ConocoPhillips to correct occasional exceedances, to stay within the working pressure limits and thus to remain in compliance with District Regulations. If a PV valve has been determined to have lifted three times in a 12 month period, ConocoPhillips shall implement abatement measures to prevent the recurrence of the type of incident which caused the valve to lift. This plan is intended to provide a mechanism for bringing ConocoPhillips back into compliance should a temporary exceedance occur. This plan does not constitute an alternative means of compliance. [Basis: Regulation 2-1-403]

- a. If, during any consecutive 12-month period, more than three instances of a PV valve release to atmosphere attributed to a storage tank subject to this permit condition are reported, ConocoPhillips shall propose a method to correct the exceedance and to ensure compliance with District regulations and permit conditions. The proposed method is subject to approval by the Air Pollution Control Officer. Potential methods include but are not limited to increasing the nominal set pressure of the pressure/vacuum valve, bladder tank(s) for additional short-term vapor storage capacity, dedicated vapor recovery flare, pilot control on pressure relief valves, flow meters on vapor recovery tanks to monitor blanket gas flows, replacement of tanks, and naphtha degassers. [Basis: Regulation 2-1-403]
- 7. To determine compliance with the above conditions, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including, but not necessarily limited to the following information:
- a. Pressure measurements from tanks listed in part 4 of this condition. Pressure shall be recorded at least for one-minute interval for each tank, except as allowed in BAAQMD Regulation 1-523 for parametric monitors. The owner/operator shall maintain a reasonable stock of spare parts for the components of the monitoring system to ensure that repairs are completed as quickly as possible.

All records shall be retained on site for five years, from the date of entry and made available for inspection by the District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District regulation. [Basis: Regulation 2-1-403]

555

- 8. The requirement to report pressures in excess of the minimum pressure as described in part 4 of this permit condition, shall start on July 5, 2009 for all tanks in this condition except S139, S140, S182, S360, S445, S449. The requirement to report pressures in excess of the minimum pressure as described in part 4 of this permit condition, shall start on January 5, 2008 for the following tanks: S139, S140, S182, S360, S445, S449. [Basis: 2-1-403]
- 9. The permit to operate is contingent upon compliance with Regulation 1-301, Standard for Public Nuisance, and Regulation 7, Odorous Substances. Upon receipt of a violation for either of these regulations, the Air Pollution Control Officer may require the owner/operator to install additional emission control measures as stated in Part 6 of this permit condition. [Basis: Regulations 1-301, 7-301, 7-302]

CONDITION 23725

CONDITIONS FOR CLEAN FUELS EXPANSION PROJECT (CFEP) FUGITIVE-COMPONENTS

- 1. Fugitive Equipment
 - a. The owner/operator shall as part of the CFEP install only the following types of valves in light hydrocarbon service where the hydrocarbon has an initial boiling point less than or equal to 302 degree F: (1) bellows sealed, (2) live loaded, (3) graphite packed, (4) quarter-turn (e.g., ball valves or plug valves), or equivalent as determined by the APCO. [Basis: BACT]
 - b. The owner/operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any valve installed as part of the CFEP in hydrocarbon service. The owner/operator shall not be considered in violation of the leak standard if the owner/operator complies with the applicable minimization and repair provisions contained in Regulation 8, Rule 18. Valves that are not of a type listed in part 1 (a) and for which a leak greater than 100 ppm (measured as C1) has been determined, shall become subject to the inspection provisions contained in Regulation 8-18. If the leak remains greater than 100 ppm (measured as C1) after repair, or if the valve is determined to have a leak greater than 100 ppm (measured as C1) a second time within a 5-year period, the owner/operator shall replace the valve with a type listed in part 1 (a) within 5 years or at the next scheduled turnaround, whichever is sooner. [Basis: BACT, Regulation 8, Rule 18]
 - c. The owner/operator shall install graphitic-based gaskets on all flanges or connectors (gasketed) installed as part of the CFEP in light hydrocarbon service unless the owner/operator demonstrates to the satisfaction of the APCO that the service requirements prevent this gasket material from being used. [Basis: BACT]
 - d. The owner/operator shall install double mechanical seals with barrier fluid; or gas seal system vented to a thermal oxidizer or other District approved equivalent control device or technology as determined by the APCO on all compressors installed as part of the CFEP.

 [Basis: BACT]

- e. The owner/operator shall comply with a leak standard of 100 ppm of TOC (measured as C1) at any pumps and/or compressors installed as part of the CFEP in hydrocarbon service. The owner/operator shall not be considered in violation of the leak standard if the owner/operator complies with the applicable minimization and repair provisions contained in Regulation 8-18. All pumps and/or compressors subject to the leak standard of 100 ppm TOC shall be included in the total number of pumps and compressors used in Regulation 8-18-306.2 to determine the total number of non-repairable pumps and compressors allowed. [Basis: BACT]
- f. The owner/operator shall install double mechanical seals with barrier fluid; dual nitrogen gas purge seals; magnetically coupled pumps; canned pumps; magnetic fluid sealing technology; gas seal system vented to thermal oxidizer, or other BAAQMD approved equivalent control device; or District approved control technology as determined by the APCO on all pumps installed as part of the CFEP in light hydrocarbon service where the hydrocarbon has an initial boiling point less than or equal to 302 degree F. The owner/operator shall install double mechanical seals or District approved equivalent technology on all pumps in heavy hydrocarbon service where the hydrocarbon has an initial boiling point greater than 302 degree F and flash point less than 250 degree F. [Basis: BACT]
- g. Unless the equipment exclusively handles material(s) with a flash point greater than or equal to 250 degree F, the owner/operator shall identify all new pumps and compressors installed as part of the CFEP in hydrocarbon service with a unique permanent identification code and shall include all new and replaced fugitive equipment in the Regulation 8, Rule 18 fugitive equipment monitoring and repair program. The owner/operator shall monitor all repaired equipment within 24 hours of the repair. [Basis: Cumulative Increase, BACT]
- 2. The Owner/Operator shall submit a count of installed pumps, compressors, valves, pressure relief devices, and flanges/connectors every 180 days after startup of the first unit until completion of the CFEP project. The owner/operator has been permitted to install the following number of fugitive components for the Clean Fuels Expansion Project:

Pumps: 16 [As identified in part 1 (g)]

Compressors: 3 Valves: 1,730 Connectors (No Flanges): 1,961 Flanges: 3,450

Pressure Relief Devices: 118 non-atmospheric

The owner/operator shall not exceed 6.1 tons per year of POC emissions measured as C1 from the total fugitive component count installed in TOC services as part of the CFEP. Compliance with this provision shall be verified quarterly using methods described in Part 3. The results shall be submitted to the District on a quarterly basis for two years commencing with start-up. Documentation of results shall be kept on site for five years.

If there is an increase in the total fugitive component counts, the plant's cumulative emissions for the project shall be adjusted, subject to APCO approval, to reflect the difference between emissions based on predicted component counts versus actual component counts. The owner/operator may have enough remaining contemporaneous emissions reduction credits (ERCs) to cover any increase in POC fugitive emissions beyond the original projection. If not, the owner/operator shall provide to the District all additional required offsets at an offset ratio of 1.15:1 no later than 21 days after the submittal of the final POC fugitive equipment count. If the actual component count is less than the predicted count, at the completion of the project, the total will be adjusted accordingly. Any ERCs applied by the facility in excess of the actual total fugitive emissions estimate based on actual counts as opposed to estimated will be credited back to the owner/operator. [Basis: Cumulative Increase, Offsets, Regulation 2, Rule 5]

- 3. The owner/operator shall calculate fugitive emissions from CFEP fugitive components utilizing District approved methods. [Basis: Cumulative Increase, BACT, Offsets]
- 4. Inspections
 - a. The owner/operator shall conduct inspections of CFEP fugitive components in light hydrocarbon service with an initial boiling point less than or equal to 302 degree F in accordance with the frequency listed below:

Pumps: Quarterly Compressors: Quarterly Valves: Quarterly

Connectors (Not Flanges): Annual

Flanges: Annual

[Basis: BACT, Regulation 8, Rule 18]

b. The owner/operator shall conduct quarterly inspections of all CFEP pumps in hydrocarbon service with a flash point less than 250 degree F. [Basis: BACT]

558

CONDITION 24532

For S507 (Tank 21)

- 1. The owner/operator shall ensure that S507 stores only petroleum liquids with a True vapor pressure less than 11 psia. [Basis: Cumulative Increase, Offsets, Regulation 8-5-301]
- 2. The owner/operator shall ensure that S507 is equipped with a pressure vacuum valve with a setting of at least 25.8 mm Hg (0.5 psig). [Basis: Regulation 8-5-303.1]
- 3. The owner/operator shall ensure the throughput of petroleum liquids at S507 is less than 9,883 gallons in any consecutive twelve-month period. [Basis: Cumulative Increase, Offsets]
- 4. The owner/operator shall ensure that total POC emissions based on the maximum throughput in Part 1, do not exceed 218 pounds in any consecutive twelve-month period. [Basis: Cumulative Increase, Offsets]
- 5. In order to demonstrate compliance with Part 3, the owner/operator of tank S507 shall either maintain the total monthly throughput of each material stored, summarized on a consecutive twelve-month basis in a District approved log, or shall be able to generate these records within three business days. These records shall be kept on site and made available for District inspection for a period of five years from the date that the record was made. [Basis: Cumulative Increase, Recordkeeping]

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
HAP	40 CFR	Y		wastewater standards of 40	40 CFR	P/A	report
	63.647(a)			CFR 61.340 to 61.355 are	63.655(a)		
				applicable			
Benzene		Y		Benzene Waste NESHAPS	40 CFR 61,	P/A	report
in waste				Annual Report	Subpart FF,		
					61.357(d)(2)		
Benzene	40 CFR 61,	Y		Benzene < 6 Mg/yr	40 CFR 61,	P/A	report
in waste	Subpart FF,				Subpart FF,		records
	61.342(e)(2				61.357(d)(5)		
)(i)				61.356(b)(4)		
Benzene		Y		Benzene Waste NESHAPS	40 CFR 61,	P/Q	report
in waste				Quarterly Report	Subpart FF,		
					61.357(d)(6)		
					61.357(d)(7)		
VOC	BAAQMD	Y	-	emission streams with 15	None	N	None
	8-2-301			lb/day AND 300 ppm total			
				carbon on a dry basis			
				prohibited			

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	N		5 ton/yr per solvent, surface	None	N	None
	8-4-302.1			coating source			
	and						
	SIP 8-4-302						
		Y					
VOC	BAAQMD	Y		Tank cleaning degassing or	BAAQMD	P/A	source test
	8-5-328.2			control device standard	8-5-502.2		
	and 8-5-331			includes 90% abatement			
				efficiency requirement			
VOC	BAAQMD	N		Tank cleaning agents	BAAQMD	N	Sample
	8-5-331.1			IBP > 302 deg F; or	8-5-331.1		analysis
				TVP < 0.5 psia; or			
				VOC < 50 grams/liter			
VOC	BAAQMD	N		Tank sludge container	BAAQMD	N	None
	8-5-332			standards; includes gap	8-5-332		
				criteria			
VOC	40 CFR	Y		VOC concentrations shall	40 CFR	P/Q-visual	Visual
	60.112b(a)			not exceed 500 ppmv above	63.642(e),	and A	inspections,
	(2) and			background	63.642(f) and	measure-	portable HC
	63.647(a)				63.655(i)(4)	ments and	detector
						reports	(EPA
							Method 21)
							and records
							of detectable
							emissions,
							inspections
							and repairs
Opacity	BAAQMD	N		Ringelmann No. 1 for no	None	N	None
	6-1-301			more than 3 minutes/hour			
Opacity	SIP	Y		Ringelmann No. 1 for no	None	N	None
	6-301			more than 3 minutes/hour			
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						

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
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	SIP 6-1-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous fired sources	N	None
FP	BAAQMD 6-1-311	N		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
FP	SIP 6-1-311	Y		No emissions from source > rate specified in rule	None for gaseous fired sources	N	None
SO2	BAAQMD 9-1-301	Y		ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)	at the request of the District, 9-1-501 requires compliance with BAAQMD 1-510	С	SO2 GLM
SO2	BAAQMD 9-1-313.2	N		operation of a sulfur removal and recovery system that removes and recovers: 95% of H2S from refinery fuel gas, 95% of H2S and ammonia from process water streams; operation of a sulfur recovery plant	None	N	

Table VII – All Sources Facility-Specific Generally Applicable Requirements

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	SIP	Y		operation of a sulfur	None	N	
	9-1-313.2			removal and recovery			
				system that removes and			
				recovers: 95% of H2S from			
				refinery fuel gas, 95% of			
				H2S and ammonia from			
				process water streams			
H2S	BAAQMD	N		Ground level	BAAQMD	С	Area Monitoring
	9-2-301			concentrations < 0.06 ppm	9-2-501,		Wiomtornig
				averaged over 3	1-510, 1-530		
				consecutive minutes or <	1-540, 1-542,		
				0.03 ppm averaged over	1-543 and		
				any 60 consecutive minutes	1-544		

 $Table\ VII-A.1$ Applicable Limits and Compliance Monitoring Requirements $S2-U{\rm NIT}\ 229,\ B\text{-}301\ HEATER$

S2 – UNIT 229, B-301 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/A	source test			
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
NOx	BAAQMD	Y		Federal emissions:	None	N	None			
	9-10-303			Refinery-wide emissions:						
				0.20 lb NOx/MMbtu						
Heat input	BAAQMD	Y		528 MMbtu/day	BAAQMD	P/D	records			
	Condition				Condition					
	1694, Part				1694, Part					
	A.1b				A.5					
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records			
	Condition			over any year at S2, S3,	Condition					
	1694, Part			S4, S5, S7	1694, Part					
	F.2				F.3					
O2		N		No limit	BAAQMD	C	O2 Monitor			
					9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 2					
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	N		Ringelmann 1 for no more	None	N	None			
	6-1-301			than 3 minutes in any hour						
Opacity	SIP	Y		Ringelmann No. 1 for no	None	N	None			
	6-301			more than 3 minutes/hour						

Table VII – A.1

Applicable Limits and Compliance Monitoring Requirements

S2 – UNIT 229, B-301 HEATER

52 – UNII 227, B-301 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
FP	BAAQMD	N		Prohibition of nuisance	None	N	None			
	6-1-305									
FP	SIP	Y		Prohibition of nuisance	None	N	None			
	6-305									
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None			
	6-1-310.3				gaseous fired					
					sources					
FP	BAAQMD	Y		0.15 grain/dscf @ 6% O2	None for	N	None			
	6-310.3				gaseous fired					
					sources					
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS			
	Condition			month from non-	Condition	per day	analysis			
	1694, Part			cogeneration sources	1694, Part					
	A.4				A.3a					
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S			
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer			
	(1)			(0.10 gr/dscf)						
Fuel Flow		Y		No limit	BAAQMD	С	Fuel			
					9-10-502.2		Flowmeter			

Table VII – A.2

Applicable Limits and Compliance Monitoring Requirements
S3 – UNIT 230, B-201 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		

 $Table\ VII-A.2$ Applicable Limits and Compliance Monitoring Requirements $S3-U{\rm NIT}\ 230,\ B\text{-}201\ HEATER$

				- UNIT 230, B-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
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.1a				A.5		
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records
	Condition			over any year at S2, S3,	Condition		
	1694, Part			S4, S5, S7	1694, Part		
	F.2				F.3		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305	1,		100 pp.m. (al.j., 270 °2)	9-10-502.1	1,011	Source test
	7 10 303				7 10 302.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None	N	None
Opacity	6-1-301	11		than 3 minutes in any hour	None	11	TVOIC
	0-1-301			(gaseous fuel firing)			
Opacity	SIP	Y		Ringelmann 1 for no more	None	N	None
Ораспу		1		than 3 minutes in any hour	INOILE	1N	INOHE
	6-301			·			
On:	DAAOMD	v		(gaseous fuel firing)	DAAOMD	D/E (1f	ria1
Opacity	BAAQMD	Y		Ringelmann 1 for no more	BAAQMD	P/E (before	visual
	6-1-301			than 3 minutes in any hour	Condition	1 million	inspection
				(liquid fuel firing)	1694, Part	gallons of	
					A.2c	liquid fuel	
						combusted)	

Table VII – A.2

Applicable Limits and Compliance Monitoring Requirements

S3 – UNIT 230, B-201 HEATER

			Future	- CNII 250, B-201 HEA	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD	Y		No visible emissions	BAAQMD	P/E	visual
	Condition				Condition		inspection
	1694, Part				1694, Part		•
	A.2b				A.2b		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None	N	None
	6-1-310.3			(gaseous fuel firing)			
FP	SIP	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
	6-1-310.3			(liquid fuel firing)	Condition	1 million	inspection
					1694, Part	gallons of	
					A.2c	liquid fuel	
						combusted)	
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $Table\ VII-A.3$ Applicable Limits and Compliance Monitoring Requirements $S4-U{\rm NIT}\ 231, B-101\ HEATER$

	S4 – UNIT 231, B-101 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	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.1b				A.5							
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records					
	Condition			over any year at S2, S3,	Condition							
	1694, Part			S4, S5, S7	1694, Part							
	F.2				F.3							
O2		N		No limit	BAAQMD	C	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 2							
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None					
	6-1-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							

 $\begin{tabular}{ll} Table\ VII-A.3 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S4-Unit\ 231,\ B-101\ Heater \\ \end{tabular}$

			_	CNII 231, B-101 HEA			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	C	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter

Table VII – A.4

Applicable Limits and Compliance Monitoring Requirements
S5 – UNIT 231, B-102 HEATER

S5 – UNIT 251, B-102 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	N	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		2,496 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1b				A.5						
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S2, S3,	Condition						
	1694, Part			S4, S5, S7	1694, Part						
	F.2				F.3						
O2		N		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None				
	6-1-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						

 $\begin{tabular}{ll} Table\ VII-A.4 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S5-Unit\ 231,\ B-102\ Heater \end{tabular}$

			7.	CIVIT 231, B-102 HEA		35 4. 4	
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	C	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter

571

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S7 – UNIT 231, B-103 HEATER

57 – UNIT 231, B-103 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	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.1a				A.5						
Heat input	BAAQMD	Y		346.5 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S2, S3,	Condition						
	1694, Part			S4, S5, S7	1694, Part						
	F.2			, ,	F.3						
O2		N		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305	- '		FF (MJ, 570 52)	9-10-502.1						
	7 10 505				7 10 302.1						
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None	N	None				
Opacity	6-1-301	11		than 3 minutes in any hour	Tione	14	Tione				
	0-1-301			(gaseous fuel firing)							
	I	l		(gaseous fuel fiffilg)	<u>I</u>						

572

Table VII – A.5
Applicable Limits and Compliance Monitoring Requirements
S7 – UNIT 231, B-103 HEATER

Type of Limit				Future	OM1 231, B-103 HEA	Monitoring	Monitoring	
Opacity	Type of	Citation	FE	Effective		_	_	Monitoring
Condition	Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Caseous fuel firing Caseous fuel firing Condition Condition I million Inspection I million Inspection I million Inspection I million Inspection Inspection Inspection I million Inspection Inspe	Opacity	SIP	Y		Ringelmann 1 for no more	None	N	None
Opacity BAAQMD Y Ringelmann 1 for no more than 3 minutes in any hour (liquid fuel firing) Condition 1 million 1694, Part A.2c Liquid fuel Combusted) Condition 1694, Part A.2b P/E Visual Inspection Condition 1694, Part A.2b Prohibition of nuisance None N None P None N None P SIP Y Prohibition of nuisance None N None P SIP SIP Y O.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP BAAQMD Y Condition 1694, Part A.2c Liquid fuel Combusted) SO2 BAAQMD Y Condition Liquid fuel firing Condition Liquid fuel Combusted Condition Liquid fuel Combusted Condition Liquid fuel Combusted Combusted Condition Liquid fuel Combusted Combusted Combusted Combusted Combusted Condition Condition Liquid fuel Combusted Condition Liquid fuel Combusted Condition Liquid fuel Combusted Combus		6-1-301			than 3 minutes in any hour			
than 3 minutes in any hour (liquid fuel firing) Description BAAQMD Y No visible emissions Condition 1694, Part A.2c Condition 1694, Part A.2b FP BAAQMD N Prohibition of nuisance FP SIP Y Prohibition of nuisance FP BAAQMD N O.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAAQMD P/E visual inspection FP BAA					(gaseous fuel firing)			
Condition Cond	Opacity	BAAQMD	Y		Ringelmann 1 for no more	BAAQMD	P/E (before	visual
Descrity		6-1-301			than 3 minutes in any hour	Condition	1 million	inspection
Opacity BAAQMD Y No visible emissions BAAQMD P/E visual inspection 1694, Part A.2b FP BAAQMD N Prohibition of nuisance None N None 6-1-305 FP SIP Y Prohibition of nuisance None N None 6-1-305 FP BAAQMD N O.15 grain/dscf @ 6% O2 (gaseous fuel firing) (gaseous fuel firing) FP SIP Y O.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD P/E (before visual inspection firing) FP BAAQMD P/E (before visual inspection firing) FP BAAQMD P/E (before visual inspection firing) FP BAAQMD P/E (before visual inspection firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing) FP GO (liquid fuel firing)					(liquid fuel firing)	1694, Part	gallons of	
Opacity BAAQMD Y No visible emissions BAAQMD P/E visual inspection 1694, Part A.2b FP BAAQMD N Prohibition of nuisance None N None 6-1-305 FP SIP Y Prohibition of nuisance None N None 6-1-305 FP BAAQMD N O.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP SIP Y O.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP SIP Y O.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD P/E (before visual inspection liquid fuel combusted) FO D.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD P/E (before visual inspection liquid fuel combusted) FP BAAQMD Y O.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD P/E (before visual linspection liquid fuel combusted) FP BAAQMD P/3 times TRS analysis FP Condition per day analysis FP GO.104(a) (liquid fuel girling) FP GO.104(a) (liquid fuel girling) FP BAAQMD P/3 times AAQMD P/3 times analysis FP Condition limited to 230 mg/dscm (0.10 gr/dscf) FP GO.105(a)(4) C FP C H2S analyzer						A.2c	liquid fuel	
Condition 1694, Part A.2b							combusted)	
1694, Part A.2b	Opacity	BAAQMD	Y		No visible emissions	BAAQMD	P/E	visual
A.2b								inspection
FP BAAQMD N Prohibition of nuisance None N None FP SIP Y Prohibition of nuisance None N None FP BAAQMD N 0.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP SIP Y 0.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP BAAQMD Y 0.15 grain/dscf @ 6% O2 (gaseous fuel firing) FP BAAQMD Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) FP BAAQMD P/E (before visual combusted) SO2 BAAQMD Y 1,612 lb/day SO2 over any month from non-cogeneration sources 1694, Part A.4 H2S 40 CFR Y fuel gas H2S concentration 1694, Part A.3a H2S 40 CFR Y fuel gas H2S concentration 160.105(a)(4) analyzer (0.10 gr/dscf) Fuel Flow Y No limit BAAQMD C Fuel						1694, Part		
FP SIP Y Prohibition of nuisance None N None		A.2b				A.2b		
FP SIP (6-1-305) Y Prohibition of nuisance None N None FP BAAQMD (6-1-30.3) 0.15 grain/dscf @ 6% O2 (gaseous fuel firing) None N None FP SIP (9-1) Y 0.15 grain/dscf @ 6% O2 (gaseous fuel firing) None N None FP BAAQMD (6-310.3) Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) BAAQMD (Condition (1 million gallons of liquid fuel combusted) None	FP	ll -	N		Prohibition of nuisance	None	N	None
FP								
FP BAAQMD (assequence) None None None FP SIP (assequence) Y 0.15 grain/dscf @ 6% O2 (assequence) None None None FP SIP (assequence) Y 0.15 grain/dscf @ 6% O2 (assequence) None None None FP BAAQMD (assequence) Y 0.15 grain/dscf @ 6% O2 (assequence) BAAQMD (assequence) P/E (before) (before) Visual (assequence) 6-1-310.3 (liquid fuel firing) Condition (assequence) 1 million (assequence) Inspection SO2 BAAQMD (assequence) Y 1,612 lb/day SO2 over any (assequence) BAAQMD (assequence) P/3 times (assequence) TRS Condition (assequence) Y Solution (assequence) Solution (assequence) BAAQMD (assequence) P/3 times (assequence) TRS Condition (assequence) Y fuel gas H2S concentration (assequence) 40 CFR (assequence) C H2S (assequence) H2S 40 CFR (assequence) Y Fuel gas H2S concentration (assequence) 40 CFR (assequence) C H2S (assequence) Fuel Flow Y <td>FP</td> <td></td> <td>Y</td> <td></td> <td>Prohibition of nuisance</td> <td>None</td> <td>N</td> <td>None</td>	FP		Y		Prohibition of nuisance	None	N	None
FP								
FP SIP (6-310.3) Y 0.15 grain/dscf @ 6% O2 (gaseous fuel firing) None N None FP BAAQMD (6-1-310.3) Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) BAAQMD (Condition of the properties) P/E (before of the properties) Visual of the properties of the propert	FP		N		· ·	None	N	None
FP BAAQMD Y 0.15 grain/dscf @ 6% O2 (liquid fuel firing) Condition 1 million inspection SO2 BAAQMD Y 1,612 lb/day SO2 over any Condition 1 million inspection SO3 BAAQMD Y 1,612 lb/day SO2 over any Condition 1 million inspection SO4 BAAQMD Y 1,612 lb/day SO2 over any Condition 1 million inspection SO5 BAAQMD Y 1,612 lb/day SO2 over any Condition per day analysis SO5 BAAQMD Y 1,612 lb/day SO2 over any Condition per day analysis SO5 BAAQMD Y 1,612 lb/day SO2 over any BAAQMD P/3 times per day analysis SO6 BAAQMD Y 1,612 lb/day SO2 over any BAAQMD P/3 times per day analysis SO6 BAAQMD Y 1,612 lb/day SO2 over any BAAQMD P/3 times per day analysis SO7 BAAQMD P/8 times Condition per day analysis SO8 BAAQMD P/8 times P/8 time								
FP BAAQMD Y (liquid fuel firing) O.15 grain/dscf @ 6% O2 (liquid fuel firing) Condition 1 million inspection 1 million gallons of liquid fuel combusted) SO2 BAAQMD Y 1,612 lb/day SO2 over any month from non-condition 1694, Part A.4 Condition 1694, Part A.4 H2S 40 CFR Y fuel gas H2S concentration 60.104(a) (limited to 230 mg/dscm (0.10 gr/dscf) Fuel Flow Y No limit BAAQMD C Fuel	FP		Y		-	None	N	None
Gelevation Gel								
SO2 BAAQMD Y 1,612 lb/day SO2 over any Condition 1694, Part A.4 Substitute 1 1694, Par	FP	II	Y		-	_		
SO2 BAAQMD Y Condition 1694, Part A.4 H2S 40 CFR 60.104(a) (1) Fuel Flow Y A.2c liquid fuel combusted) A.2c liquid fuel combusted) 1,612 lb/day SO2 over any month from non-condition month from non-condition cogeneration sources 1694, Part A.3a 4.3a C H2S 60.104(a) (0.10 gr/dscf) Fuel Flow A.2c liquid fuel combusted) P/3 times per day analysis TRS A.3a C H2S 60.105(a)(4) analyzer (0.10 gr/dscf) Fuel BAAQMD C Fuel		6-1-310.3			(liquid fuel firing)			inspection
SO2 BAAQMD Y 1,612 lb/day SO2 over any Condition month from non-condition 1694, Part A.4 Solution 1694, Part A.3a Solution 169							-	
SO2 BAAQMD Condition 1694, Part A.4 Y Indicate the part of the part o						A.2c	-	
Condition month from non- cogeneration sources Condition 1694, Part A.4 per day analysis H2S 40 CFR 60.104(a) (1) Y fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) 40 CFR 60.105(a)(4) C H2S analyzer Fuel Flow Y No limit BAAQMD C Fuel	503	DAAOMD	V		1 612 lb/day 902	DAAOMD		TDC
1694, Part	502	II	ĭ		•	-		
A.4 A.3a A.3a							per day	anarysis
H2S 40 CFR Y 60.104(a) (1) Fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf) 40 CFR C H2S analyzer Fuel Flow Y No limit BAAQMD C Fuel					cogeneration sources			
60.104(a) limited to 230 mg/dscm 60.105(a)(4) analyzer	H2S		Y		fuel gas H2S concentration		C	H2S
(1) (0.10 gr/dscf) Fuel Flow Y No limit BAAQMD C Fuel	1120		1		· ·			
Fuel Flow Y No limit BAAQMD C Fuel						50.105(a)(T)		ununyzen
	Fuel Flow	(-)	Y			BAAOMD	С	Fuel
						9-10-502.2	-	Flowmeter

Table VII – A.7
Applicable Limits and Compliance Monitoring Requirements
S9 – Unit 240, B-2 Boiler

S9 – UNIT 240, B-2 BOILER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	N	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		1,464 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1b				A.5						
Heat input	BAAQMD	Y		877.3 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S9,	Condition						
	1694, Part			S10, S11, S12, S13,	1694, Part						
	F.1			S14	F.3						
O2		N		No limit	BAAQMD	С	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test				
	9-10-305				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None				
	6-1-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						

Table VII – A.7

Applicable Limits and Compliance Monitoring Requirements

S9 – UNIT 240, B-2 BOILER

			E 4	ONII 240, D-2 DOID		3.5 14 1	
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	C	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	C	Fuel
					9-10-502.2		Flowmeter

575

 $Table\ VII-A.8$ Applicable Limits and Compliance Monitoring Requirements $S10-Unit\ 240, B-101\ Heater$

				- UNII 240, D-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		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	С	CEM
	Condition				Condition		
	1694, Part				1694, Part		
	F.4a				F.4a		
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.1b				A.5		
Heat input	BAAQMD	Y		877.3 MMbtu/hr averaged	BAAQMD	P/M	records
	Condition			over any year at S9,	Condition		
	1694, Part			S10, S11, S12, S13,	1694, Part		
	F.1			S14	F.3		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		

 $Table\ VII-A.8$ 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				
Opacity	BAAQMD	N		During tube cleaning,	None for	N	None				
	6-1-304			Ringelmann No. 2 for 3	gaseous-						
				min/hr and 6 min/billion	fueled						
				btu in 24 hours; applies to	sources						
				sources rated over 140							
				MMbtu/hr (with tubes)							
Opacity	SIP	Y		During tube cleaning,	None for	N	None				
	6-1-304			Ringelmann No. 2 for 3	gaseous-						
				min/hr and 6 min/billion	fueled						
				btu in 24 hours; applies to	sources						
				sources rated over 140							
				MMbtu/hr (with tubes)							
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None				
	6-1-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
FP	BAAQMD	N		Prohibition of nuisance	None	N	None				
	6-1-305										
FP	SIP	Y		Prohibition of nuisance	None	N	None				
	6-305										
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-1-310.3				gaseous-						
					fueled						
					sources						
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None				
	6-310.3				gaseous-						
					fueled						
					sources						

Table VII – A.8

Applicable Limits and Compliance Monitoring Requirements

\$10 - UNIT 240. B-101 HEATER

	510 – UNII 240, D-IVI HEATER								
			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS		
	Condition			month from non-	Condition	per day	analysis		
	1694, Part			cogeneration sources	1694, Part				
	A.4				A.3a				
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S		
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer		
	(1)			(0.10 gr/dscf)					
Fuel Flow		Y		No limit	BAAQMD	С	Fuel		
					9-10-502.2		Flowmeter		

Table VII – A.9

Applicable Limits and Compliance Monitoring Requirements

S11 – UNIT 240. B-201 HEATER

	511 - UNII 240, D-201 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	N		Refinery-wide emissions:	BAAQMD	P/SA	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	N	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		2,592 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1b				A.5						
Heat input	BAAQMD	Y		877.3 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S9,	Condition						
	1694, Part			S10, S11, S12, S13,	1694, Part						
	F.1			S14	F.3						

578

Renewal Date: September 1, 2011

 $Table\ VII-A.9 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S11-Unit\ 240,\ B-201\ HEATER$

			Future	- UNII 240, D-201 HEA	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit		Y/N		Limit	Citation		_
	of Limit		Date			(P/C/N)	Туре
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
				·	fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305	1,			1,0110	-,	1,0110
FP	SIP	Y		Prohibition of nuisance	None	N	None
11	6-305	1		1 follottion of nuisance	None	11	TVOIC
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
IT	6-1-310.3	1,1		0.13 gram/usci @ 0% O2		1N	NOHE
	0-1-310.3				gaseous-		
					fueled		
ED	CID	37		0.15 : /1 60.66 03	sources	N	NT
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		

 $Table\ VII-A.9 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S11-UNIT\ 240,\ B-201\ HEATER$

			011	CIVIT 240, D 201 1101			
			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		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.10
Applicable Limits and Compliance Monitoring Requirements
S12 – UNIT 240. B-202 HEATER

			512	- UNII 240, D-202 HE	AILK		
			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		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		1,008 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
Heat input	BAAQMD	Y		877.3 MMbtu/hr averaged	BAAQMD	P/M	records
	Condition			over any year at S9,	Condition		
	1694, Part			S10, S11, S12, S13,	1694, Part		
	F.1			S14	F.3		

580

Renewal Date: September 1, 2011

 $\begin{tabular}{ll} Table~VII-A.10\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S12-UNIT~240,~B-202~HEATER\\ \end{tabular}$

			Future	C1(11 2-10; 15 202 11E)	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
O2	Of Limit	N	Date	No limit	BAAQMD	C	O2 Monitor
02		11		NO IIIIIt	9-10-502.1	C	O2 Monitor
					9-10-302.1		
					BAAQMD		
					Condition		
					21235, Part 2		
	D. A. COMB	N.T.		400 (1 20/ 0)		D/C/A	
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					D 4 4 63 4D		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			-	gaseous-		
					fueled		
					sources		
L	U	!			U		l .

 $\begin{array}{c} Table~VII-A.10\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S12-UNIT~240,~B-202~HEATER \end{array}$

			Future	·	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
\$13 - UNIT 240, B-301 HEATER

	S13 – UNIT 240, B-301 HEATER										
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	С	CEM				
	9-10-301			0.033 lb NOx/MMbtu	9-10-502.1						
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	C	CEM				
	Condition				Condition						
	1694, Part				1694, Part						
	F.4b				F.4b						
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.1b				A.5						
Heat input	BAAQMD	Y		877.3 MMbtu/hr averaged	BAAQMD	P/M	records				
	Condition			over any year at S9,	Condition						
	1694, Part			S10, S11, S12, S13,	1694, Part						
	F.1			S14	F.3						

Table VII – A.11
Applicable Limits and Compliance Monitoring Requirements
S13 – UNIT 240, B-301 HEATER

			Future	CIVII 240, D 301 III	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		During tube cleaning,	None for	N	None
	6-1-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				btu in 24 hours; applies to	sources		
				sources rated over 140			
				MMbtu/hr (with tubes)			
Opacity	SIP	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			
				MMbtu/hr (with tubes)			
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		

 $Table\ VII-A.11$ Applicable Limits and Compliance Monitoring Requirements $S13-UNIT\ 240,\ B-301\ HEATER$

Type of Limit Opacity	Citation of Limit SIP 6-301	FE Y/N Y	Future Effective Date	Limit Ringelmann 1 for no more than 3 minutes in any hour	Monitoring Requirement Citation None for gaseous- fueled	Monitoring Frequency (P/C/N) N	Monitoring Type None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous-fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,612 lb/day SO2 over any month from non- cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis
H2S	40 CFR 60.104(a) (1)	Y		fuel gas H2S concentration limited to 230 mg/dscm (0.10 gr/dscf)	40 CFR 60.105(a)(4)	С	H2S analyzer
Fuel Flow		Y		No limit	BAAQMD 9-10-502.2	С	Fuel Flowmeter

 $\begin{array}{c} Table~VII-A.12\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S14-UNIT~240,~B-401~HEATER \end{array}$

				- UNII 240, D-401 HEA		Manitanina	
Т	C'4a4iaa	TOTO	Future		Monitoring	Monitoring	Manitanina
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			
Heat input	BAAQMD	Y		13,344 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
Heat input	BAAQMD	Y		877.3 MMbtu/hr averaged	BAAQMD	P/M	records
	Condition			over any year at S9,	Condition		
	1694, Part			S10, S11, S12, S13,	1694, Part		
	F.1			S14	F.3		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305			(2.5), 0, 0 0 <u>2</u>)	9-10-502.1	-,	
	,						
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		During tube cleaning,	None for	N	None
pacity	6-1-304			Ringelmann No. 2 for 3	gaseous-	-,	1.5110
	3 1 301			min/hr and 6 min/billion	fueled		
				btu in 24 hours; applies to	sources		
				sources rated over 140	Sources		
				MMbtu/hr (with tubes)			

 $\begin{array}{c} Table~VII-A.12\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S14-Unit~240,~B-401~HEATER \end{array}$

			Eutum	- UNII 240, D-401 HE		Monitorina	
T-ma of	Citatian	Terr	Future		Monitoring	Monitoring	Monitorina
Type of	Citation	FE	Effective	*• •	Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP	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			
				MMbtu/hr (with tubes)			
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
				•	fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
				,	fueled		
					sources		
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3			C	gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)	-	analyzer
	(1)			(0.10 gr/dscf)			
	II */			(8.1.4.5.1)	1		l

586

Renewal Date: September 1, 2011

 $Table\ VII-A.12$ Applicable Limits and Compliance Monitoring Requirements $S14-Unit\ 240, B-401\ Heater$

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter

 $\begin{array}{c} Table~VII-A.13\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S15-UNIT~244,~B-501~HEATER \end{array}$

			515	UNII 244, B-301 HE			
			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		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	С	CEM
	Condition			combined for S15, S16,	Condition		
	1694, Part			S17, S18 and S19	1694, Part		
	F.4c				F.4c		
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.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

 $\begin{tabular}{ll} Table~VII-A.13\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S15-UNIT~244,~B-501~HEATER\\ \end{tabular}$

			Future	- UNII 244, D-301 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N		Limit	Citation		_
			Date			(P/C/N)	Type
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			5.10 gram, aser C 0/0 02	gaseous-	-,	1,5110
	0 210.5				fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
502	Condition	1		month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part	per day	anarysis
	A.4			cogeneration sources	A.3a		
H2S		Y		fuel ges H2C companies:	40 CFR	С	шое
п25	40 CFR	ı		fuel gas H2S concentration		C	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			

588

Renewal Date: September 1, 2011

 $\begin{array}{c} Table~VII-A.13\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S15-Unit~244,~B-501~HEATER \end{array}$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S15, S16, S17, S18, S19	Condition		
	20989,				20989, Part A		
	Part A						

 $Table\ VII-A.14$ Applicable Limits and Compliance Monitoring Requirements $S16-Unit\ 244, B-502\ Heater$

	510 - CNII 277, D-302 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		Refinery-wide emissions:	BAAQMD	С	CEM				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	C	CEM				
	Condition			combined for S15, S16,	Condition						
	1694, Part			S17, S18 and S19	1694, Part						
	F.4c				F.4c						
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.1b				A.5						
O2		N		No limit	BAAQMD	C	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						

589

Renewal Date: September 1, 2011

 $Table\ VII-A.14 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S16-Unit\ 244,\ B-502\ HEATER$

			Future	- UNII 244, D-302 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
				T * */	_		_
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			C	gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)	_	analyzer
	(1)			(0.10 gr/dscf)			
	II (*/	l		(8.1.4.5.1)	1	l	l

 $Table\ VII-A.14$ Applicable Limits and Compliance Monitoring Requirements $816-Unit\ 244, B-502\ HEATER$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S15, S16, S17, S18, S19	Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S17 – UNIT 244, B-503 HEATER

				- CNII 244, D-303 HE			
			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		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	С	CEM
	Condition			combined for S15, S16,	Condition		
	1694, Part			S17, S18 and S19	1694, Part		
	F.4c				F.4c		
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.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

 $Table\ VII-A.15 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S17-Unit\ 244,\ B-503\ HEATER$

			Future	- UNII 244, D-303 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
				T * */			_
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			-	gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		•
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)	-	analyzer
	(1)			(0.10 gr/dscf)			
L	II */	l		(0.0000)	II		l

Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S17 – UNIT 244, B-503 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring 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		19.9 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.16
Applicable Limits and Compliance Monitoring Requirements S18 – UNIT 244, B-504 HEATER

				- CNII 244, D-304 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		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	С	CEM
	Condition			combined for S15, S16,	Condition		
	1694, Part			S17, S18 and S19	1694, Part		
	F.4c				F.4c		
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.1b				A.5		
O2		N		No limit	BAAQMD	C	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements S18 – UNIT 244, B-504 HEATER

			Future	- UNII 244, D-304 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N		Limit	Citation		_
			Date			(P/C/N)	Type
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			5.15 grain aser @ 5/0 OZ	gaseous-	-11	1,0110
	0 310.3				fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
502	Condition	1		month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part	per day	anarysis
				cogeneration sources	A.3a		
Had	A.4	37		C 1 HOC 4 1		C	Had
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			

Table VII – A.16
Applicable Limits and Compliance Monitoring Requirements S18 – UNIT 244, B-504 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.9 E 6 therm/yr (total) at	BAAQMD	P/M	records
	Condition			S15, S16, S17, S18, S19	Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements
S19 – UNIT 244, B-505 HEATER

				- UNII 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		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		0.015 lb NOx/MMBtu	BAAQMD	С	CEM
	Condition			combined for S15, S16,	Condition		
	1694, Part			S17, S18 and S19	1694, Part		
	F.4c				F.4c		
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.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements S19 – UNIT 244, B-505 HEATER

			Future	- UNII 244, D-303 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
				T * */	_		_
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			-	gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)	-	analyzer
	(1)			(0.10 gr/dscf)			
L	II */	l		(5.2.5 8.7 8.5 8.7)	1		l

Table VII – A.17
Applicable Limits and Compliance Monitoring Requirements
\$19 - UNIT 244, B-505 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring 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		19.9 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.18
Applicable Limits and Compliance Monitoring Requirements
S20 – UNIT 244, B-506 HEATER

			520	– UNIT 244, B-500 HE	AILK		
			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		Refinery-wide emissions:	BAAQMD	P/A	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	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.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		

 $Table\ VII-A.18$ Applicable Limits and Compliance Monitoring Requirements $820-Unit\ 244, B-506\ HEATER$

			Future	- UNII 244, D-300 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
				T * */	_		_
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3			C	gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			<i>Q</i>	gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part	r	
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
1125	60.104(a)	1		limited to 230 mg/dscm	60.105(a)(4)		analyzer
				(0.10 gr/dscf)	50.105(a)(4)		anaryzer
	(1)			(0.10 gi/usci)			

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

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring 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		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

	521 – UNII 244, D-307 HEATER										
Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре				
Heat input	BAAQMD	Y	2400	194.4 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1a				A.5						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None				
	6-1-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
FP	BAAQMD	N		Prohibition of Nuisance	None for	N	None				
	6-1-305				gaseous-						
					fueled						
					sources						

 $\begin{array}{c} \textbf{Table VII-A.19} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S21-Unit 244, B-507 Heater} \end{array}$

	521 – UNII 244, D-307 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	SIP	Y		Prohibition of Nuisance	None for	N	None					
	6-305				gaseous-							
					fueled							
					sources							
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None					
	6-1-310.3				gaseous-							
					fueled							
					sources							
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S					
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer					
	(1)			(0.10 gr/dscf)								
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

	522 – UNIT 248, B-000 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMbtu								
Heat input	BAAQMD	Y		744 MMbtu/day	BAAQMD	P/D	records					
	Condition				Condition							
	1694, Part				1694, Part							
	A.1b				A.5							
O2		N		No limit	BAAQMD	C	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 2							
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None					
	6-1-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							

 $\begin{array}{c} Table~VII-A.20\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S22-Unit~248,~B-606~Heater \end{array}$

			522	C1111 2-40, B-000 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	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		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
\$29 - Unit 200, B-5 Heater

			343) – UNIT 200, B-5 HEA	IEK		1
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	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.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
1					sources		

 $\begin{tabular}{ll} Table~VII-A.21\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S29-UNIT~200,~B-5~HEATER\\ \end{tabular}$

			Future	CIGIT 200, B-3 HEA	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
			Date	Prohibition of nuisance			
FP	BAAQMD	N		Pronibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		8.6 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.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		Refinery-wide emissions:	BAAQMD	P/SA	source test					
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
NOx	BAAQMD	Y		Federal emissions:	None	N	None					
	9-10-303			Refinery-wide emissions:								
				0.20 lb NOx/MMbtu								
Heat input	BAAQMD	Y		1,200 MMbtu/hr	BAAQMD	P/D	records					
	Condition				Condition							
	1694, Part				1694, Part							
	A.1b				A.5							
O2		N		No limit	BAAQMD	С	O2 Monitor					
					9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test					
	9-10-305				9-10-502.1							
					BAAQMD							
					Condition							
					21235, Part 7							
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None					
	6-1-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None					
	6-301			than 3 minutes in any hour	gaseous-							
					fueled							
					sources							

 $\begin{array}{c} Table~VII-A.22\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S30-Unit~200,~B-101~HEATER \end{array}$

			Future	C1411 200, B-101 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305	1,			1,0110	-,	1,0110
FP	SIP	N		Prohibition of nuisance	None	N	None
	6-1-305	1,			1,0110	-,	1,0110
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3	1,		0,10 gram, aser 0 0,0 0 2	gaseous-	-,	1,0110
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		-
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		4.2 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – A.23
Applicable Limits and Compliance Monitoring Requirements
\$31 – UNIT 200, B-501 HEATER

S31 – UNIT 200, B-301 HEATER											
			Future		Monitoring	Monitoring					
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring				
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/A	source test				
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
NOx	BAAQMD	Y		Federal emissions:	None	N	None				
	9-10-303			Refinery-wide emissions:							
				0.20 lb NOx/MMbtu							
Heat input	BAAQMD	Y		480 MMbtu/day	BAAQMD	P/D	records				
	Condition				Condition						
	1694, Part				1694, Part						
	A.1b				A.5						
O2		N		No limit	BAAQMD	C	O2 Monitor				
					9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 2						
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/A	source test				
	9-10-305				9-10-502.1						
					BAAQMD						
					Condition						
					21235, Part 7						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None				
	6-1-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None				
	6-301			than 3 minutes in any hour	gaseous-						
					fueled						
					sources						

 $\begin{tabular}{ll} Table~VII-A.23\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S31-UNIT~200,~B-501~HEATER\\ \end{tabular}$

			Future	C1(11 200; B-301 HE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
			Date				
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		1.7 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

608

Renewal Date: September 1, 2011

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements S36 – UNIT 200, B-102 HEATER

				- UNII 200, D-102 HEA		N# '4 '	
e	G:4.4	DE	Future		Monitoring	Monitoring	3.5 1/4 1
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)	1-520.8		
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2 (3	BAAQMD	С	CEM
	Condition			hour average), except	Condition		
	21097,			startups and shutdowns	21097, Part		
	Part 3b				5a		
Heat input	BAAQMD	Y		82.1 MMbtu/hr;	BAAQMD	С	continuous
	Condition			719,200 MMbtu/12-month	Condition		fuel flow
	21097,			period	21097, Part 4		monitor
	Part 2						
O2		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					21097, Part		
					5a		
СО	BAAQMD	Y		28 ppmv CO at 3% O2 (8	BAAQMD	P/SA	source test
	Condition			hour average), except	Condition		
	21097,			startups and shutdowns	21097, Part		
	Part 3b			1	5b		
POC	BAAQMD	Y		5.5 lb POC per MM ft3 of		N	None
	Condition			fuel			
	21097,						
	Part 3b						
PM10	BAAQMD	Y		7.6 lb PM10 per MM ft3 of		N	None
	Condition			fuel			
	21097,						
	Part 3b						
ammonia	BAAQMD	N		10 ppmv ammonia at 3%		N	None
	Condition	- '		O2 (8 hour average), except		-,	
	21097,			startups and shutdowns			
	Part 3b						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
- F 3010J	6-1-301	- '		than 3 minutes in any hour	gaseous-	= '	
				many nour	fueled		
					sources		
					Sources		

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements S36 – UNIT 200, B-102 HEATER

				- UNII 200, D-102 HE		Manitanina	
TD 6	G*4 4*	-	Future		Monitoring	Monitoring	3.5 %
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None for	N	None
	6-1-305				gaseous-		
					fueled		
					sources		
FP	SIP	Y		Prohibition of nuisance	None for	N	None
	6-305				gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	GC or total
	Condition			month from non-	Condition	per day	sulfur
	1694, Part			cogeneration sources	1694, Part		analysis
	A.4				A.3a		
TRS	BAAQMD	Y		100 ppmv TRS (1 day	BAAQMD	С	GC or total
	Condition			average), 45 ppmv TRS	Condition		sulfur
	21097,			(annual average)	21097, Part		analysis
	Part 6				7a, 7b		
H2S	40 CFR	Y		fuel gas H2S concentration	Condition	P/3 times	H2S
	60.104(a)			limited to 230 mg/dscm	21097, part	per day	analysis
	(1)			(0.10 gr/dscf)	7c		

Table VII – A.24
Applicable Limits and Compliance Monitoring Requirements
\$36 - 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					
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	Records					
startup	Condition				21097, part							
	21096,				10							
	Part 3b											
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	Records					
shutdown	Condition				21097, part							
	21096,				10							
	Part 3b											
Duration of	BAAQMD	Y		72 consecutive hours	Condition	P/E	records					
heater	Condition				21097, part							
dryout/	21096,				10							
warmup	Part 3b											
periods												

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S43 – UNIT 200, B-202 HEATER

		5-13 CM1 200; D 202 HEMIER								
T	G'4-4'	ьь	Future		Monitoring	Monitoring	74 14 1			
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)	1-520.8					
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	С	CEM			
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1					
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	NOx, O2			
	Condition			over any 8 hours, except	Condition		CEM			
	1694, Part			startups and shutdowns, at	1694, Part					
	D.2			S43, S44	D.4					

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S43 – UNIT 200, B-202 HEATER

			Future	CIVII 200, B 202 III	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		5,520 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	C	O2 Monitor
					Condition		
					1694, Part		
					D.4		
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
CO	BAAQMD	N		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any month, except startups	9-10-502.1		
	1694, Part			and shutdowns, at S43, S44			
	D.3				BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		During tube cleaning,	None for	N	None
	6-1-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				btu in 24 hours; applies to	sources		
				sources rated over 140			
				MMbtu/hr (with tubes)			

 $\begin{array}{c} Table~VII-A.25\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S43-UNIT~200,~B-202~HEATER \end{array}$

			Future	- ONIT 200, D-202 HEA	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	SIP	Y	Date	During tube cleaning,	None for	N	None
Opacity	6-304	1		_		IN	None
	0-304			Ringelmann No. 2 for 3	gaseous-		
				min/hr and 6 min/billion	fueled		
				btu in 24 hours; applies to	sources		
				sources rated over 140			
				MMbtu/hr (with tubes)			
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3			C	gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			5132 8 -1113 2532 2 575 2 2	gaseous-		- 1 - 1 - 1
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
502	Condition	1		month from non-	Condition	per day	analysis
	1694, Part				1694, Part	per uay	anarysis
				cogeneration sources			
	A.4				A.3a		

Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S43 – UNIT 200, B-202 HEATER

	1		D 10	= UNII 200, D-2 02 HE	IILK		
			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	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf) except for gas			
				burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		19.1 E 6 therm/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

 $\begin{array}{c} Table~VII-A.26\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S44-Unit~200,~B-201~Heater \end{array}$

			Future	·	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM
				CO2)	1-520.8		
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	C	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			

 $\begin{array}{c} Table~VII-A.26\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S44-Unit~200,~B-201~HEATER \end{array}$

			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	Y		40 ppmv NOx at 3% O2	BAAQMD	С	CEM
	Condition			over any 8 hours, except	Condition		
	1694, Part			startups and shutdowns, at	1694, Part		
	D.2			S43, S44	D.4		
Heat input	BAAQMD	Y		1,104 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	C	O2 Monitor
					Condition		
					1694, Part		
					D.4		
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
CO	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any month, except startups	9-10-502.1		
	1694, Part			and shutdowns, at S43, S44			
	D.3				BAAQMD		
					Condition		
					21235, Part 8		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		

Table VII – A.26 Applicable Limits and Compliance Monitoring Requirements S44 – UNIT 200, B-201 HEATER

				- UNII 200, D-201 HEA		35	
	~ · · ·		Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3			C	gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part	. ,	
	A.4			C	A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf) except for gas			-
				burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			

 $\begin{array}{c} Table~VII-A.26\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S44-Unit~200,~B-201~HEATER \end{array}$

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

			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	N		Ringelmann No. 2 for no	None	N	N/A
	6-1-303.1			more than 3 minutes in any			
				hour			
Opacity	SIP	Y		Ringelmann No. 2 for no	None	N	N/A
	6-303.1			more than 3 minutes in any			
				hour			
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 gr/dscf	None	N	N/A
	6-1-310						
FP	SIP	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 until 1/1/2012			

Table VII – A.27

Applicable Limits and Compliance Monitoring Requirements

S50, S51, S52 – TURBINE STARTUP ENGINES

			0,001,0	52 - TURDINE STARTU	E LITOR LED		
			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	9-8-111.3	Y		Exemptions: Engines that	BAAQMD	P/M	records
operation				operate less than 100 hours,	9-8-502		
				exclusive of any emergency			
				use, in any 12-consecutive-			
				month period			
				Effective 1/1/2012			
Hours of	CCR, Title	N		Exemptions: Engine	93115.10(f)	P/E	records
operation	17, Section			operates number of hours			
	93115.3(j)			per APCO approval – 60			
				hours/year (combined S50,			
				51, & 52)			
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

	555, 554, 555, 550, 557, 556, 559 – EMERGENCY DIESEL ENGINES											
			Future		Monitoring	Monitoring						
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре					
Opacity	BAAQMD	N		Ringelmann No. 2 for no	None	N	N/A					
	6-1-303.1			more than 3 minutes in any								
				hour								
Opacity	SIP	Y		Ringelmann No. 2 for no	None	N	N/A					
	6-303.1			more than 3 minutes in any								
				hour								
FP	BAAQMD	N		Prohibition of nuisance	None	N	None					
	6-1-305											
FP	SIP	Y		Prohibition of nuisance	None	N	None					
	6-305											
FP	BAAQMD	N		0.15 gr/dscf	None	N	N/A					
	6-1-310											

618

Table VII – A.28
Applicable Limits and Compliance Monitoring Requirements S53, S54, S55, S56, S57, S58, S59 – EMERGENCY DIESEL ENGINES

	555,55			57, 556, 559 – EMERGE			
TD 4	G11 0		Future		Monitoring	Monitoring	35
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
FP	SIP	Y		0.15 gr/dscf	None	N	N/A
	6-310						
Hours of	BAAQMD	N		Up to 100 hours for	BAAQMD	С	Totalizing
Operation	9-8-330			reliability testing until	9-8-530		Meter
				1/1/2012			
Hours of	BAAQMD	N		Up to 50 hours for	BAAQMD	С	Totalizing
Operation	9-8-330			reliability testing effective	9-8-530		Meter
				1/1/2012			
SO2	BAAQMD	Y		Fuel Sulfur Limit 0.5% by	None	P/E	Fuel
	9-1-304			weight			certification
SO2	CCR, Title	N		CARB Diesel or other	CCR, Title	P/E	Fuel records
	17, Section			specified	17, Section		
	93115.5				93115.10(g)		
					(1)(G)		
			(S53 -	- Emergency Electricity Gene	erator)		
Hours of	CCR, Title	N		20 hours/yr for maintenance	CCR, Title	C	Totalizing
Operation	17, Section			and testing	17, Section		Counter
	93115.6(b)				93115.10(e)		
	(3)(A)(1)(a)				(1)		
Hours of	CCR, Title	N		20 hours/yr for maintenance	CCR, Title	M	records
Operation	17, Section			and testing	17, Section		
	93115.6(b)				93115.10(g)		
	(3)(A)(1)(a)						
		(SS	54, S55, S56	, S57, S58, S59 – Firewater I	Pump Engines)		
Hours of	CCR, Title	N		50 hours/yr per engine for	CCR, Title	M	records
Operation	17, Section			S54, S55, S56, S57, S58	17, Section		
	93115.3(n)			and S59 for maintenance	93115.10(g)		
				and testing (NFPA 25)			
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

			Future	CIVII 231, B 104111	Monitoring	Monitoring	
Trme of	Citation	FE	Effective		Requirement	_	Manitanina
Type of				T.	_	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 7		
NOx	BAAQMD	Y		Federal emissions:	None	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.1a				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305	11		400 ppin (dry, 370 O ₂)	9-10-502.1	1/5/1	source test
	7-10-303				<i>y</i> -10-302.1		
					BAAQMD		
					Condition		
					21235, Part 7		
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
Ораспу	6-1-301	1,4		than 3 minutes in any hour		11	TAOHE
	0-1-301			man 3 minutes in any nour	gaseous-		
					fueled		
0 :	are	X7		D: 1 1 2	sources	3.7	N
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
\$336 - Unit 231, B-104 Heater

				- UNII 231, D-104 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	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf) except for gas			
				burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	С	Fuel
					9-10-502.2		Flowmeter
throughput	BAAQMD	Y		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

5337 – UNIT 231, B-105 HEATER										
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	P/SA	source test			
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
NOx	BAAQMD	Y		Federal emissions:	None	N	None			
	9-10-303			Refinery-wide emissions:						
				0.20 lb NOx/MMbtu						
Heat input	BAAQMD	Y		816 MMbtu/day	BAAQMD	P/D	records			
	Condition				Condition					
	1694, Part				1694, Part					
	A.1a				A.5					
O2		N		No limit	BAAQMD	С	O2 Monitor			
					9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 2					
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test			
	9-10-305				9-10-502.1					
					BAAQMD					
					Condition					
					21235, Part 7					
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None			
	6-1-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None			
	6-301			than 3 minutes in any hour	gaseous-					
					fueled					
					sources					

 $\begin{array}{c} \textbf{Table VII-A.30} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S337-UNIT 231, B-105 HEATER} \end{array}$

	S337 – UNIT 231, B-105 HEATER											
			Future		Monitoring	Monitoring						
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring					
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
FP	BAAQMD	N		Prohibition of nuisance	None	N	None					
	6-1-305											
FP	SIP	Y		Prohibition of nuisance	None	N	None					
	6-305											
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None					
	6-1-310.3				gaseous-							
					fueled							
					sources							
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None					
	6-310.3				gaseous-							
					fueled							
					sources							
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS					
	Condition			month from non-	Condition	per day	analysis					
	1694, Part			cogeneration sources	1694, Part							
	A.4				A.3a							
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S					
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer					
	(1)			(0.10 gr/dscf) except for gas								
				burned as a result of								
				process upset or gas burned								
				at flares from relief valve								
				leaks or other emergency								
				malfunctions; this								
				requirement applies to								
				sources installed/modified								
				after 6/11/73 and burning								
				refinery gas								
Fuel Flow		Y		No limit	BAAQMD	C	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											

 $\begin{array}{c} Table~VII-A.31\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S351-UNIT~267, B-601/602~HEATERS \end{array}$

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx		Y		CEM for NOx and O2 (or	BAAQMD	С	CEM
				CO2)	1-520.8		
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
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	С	NOx, O2
	Condition			over any 3 hours, except	Condition		CEM
	1694, Part			startups and shutdowns, at	1694, Part		
	B.2			S351	B.3		
Heat input	BAAQMD	Y		2,424 MMbtu/day	BAAQMD	P/D	records
	Condition				Condition		
	1694, Part				1694, Part		
	A.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
O2		Y		No limit	BAAQMD	С	O2 Monitor
					Condition		
					1694, Part		
					B.3		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		

Table VII – A.31 Applicable Limits and Compliance Monitoring Requirements S351 – UNIT 267, B-601/602 HEATERS

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous- fueled sources	N	None
Opacity	SIP 6-301	Y		Ringelmann 1 for no more than 3 minutes in any hour	None for gaseous-fueled sources	N	None
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310.3	N		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	N	None
FP	SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2	None for gaseous- fueled sources	N	None
SO2	BAAQMD Condition 1694, Part A.4	Y		1,612 lb/day SO2 over any month from non- cogeneration sources	BAAQMD Condition 1694, Part A.3a	P/3 times per day	TRS analysis

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
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf) except for gas			
				burned as a result of			
				process upset or gas burned			
				at flares from relief valve			
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Fuel Flow		Y		No limit	BAAQMD	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						

 $\begin{array}{c} Table~VII-A.32\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S371-UNIT~228,~B-520~FURNACE \end{array}$

			Future	- UNII 220, D -320 F UP	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
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	CEM
	Condition			over any 3 hours, except			
	1694, Part			startups and shutdowns			
	C.2						
Heat input	BAAQMD	Y		1,392 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S371 and	Condition		
	1694, Part			S372	1694, Part		
	A.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
CO	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305				9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 8		
CO	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition			any 3 hours, except startups	9-10-502.1		
	1694, Part			and shutdowns			
	C.3				BAAQMD		
					Condition		
					21235, Part 8		

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
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
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3				gaseous-		
					fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4				A.3a		

Table VII – A.32

Applicable Limits and Compliance Monitoring Requirements

\$371 - UNIT 228, B-520 FURNACE

	S3/1 – UNII 228, B-S20 FURNACE										
			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	Y		fuel gas H2S concentration	40 CFR	C	H2S				
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer				
	(1)			(0.10 gr/dscf) except for gas							
				burned as a result of							
				process upset or gas burned							
				at flares from relief valve							
				leaks or other emergency							
				malfunctions; this							
				requirement applies to							
				sources installed/modified							
				after 6/11/73 and burning							
				refinery gas							
Fuel Flow		Y		No limit	BAAQMD	C	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
\$372 - UNIT 228, B-521 FURNACE

			Future	·	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	N		Refinery-wide emissions:	BAAQMD	С	CEM
	9-10-301			0.033 lb NOx/ MMbtu	9-10-502.1		
NOx	BAAQMD	Y		Federal emissions:	None	N	None
	9-10-303			Refinery-wide emissions:			
				0.20 lb NOx/MMbtu			

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S372 – UNIT 228, B-521 FURNACE

				– UNII 220, D-321 FUR		3.5 1/4 1	
	ar		Future		Monitoring	Monitoring	35 1/
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		20 ppmv NOx at 3% O2	None	С	NOx, O2
	Condition			over any 3 hours, except			CEM
	1694, Part			startups and shutdowns			
	C.2						
Heat input	BAAQMD	Y		1,392 MMbtu/day averaged	BAAQMD	P/D	records
	Condition			over any day at S371 and	Condition		
	1694, Part			S372	1694, Part		
	A.1b				A.5		
O2		N		No limit	BAAQMD	С	O2 Monitor
					9-10-502.1		
					BAAQMD		
					Condition		
					21235, Part 2		
СО	BAAQMD	N		400 ppmv (dry, 3% O ₂)	BAAQMD	P/SA	source test
	9-10-305	1		100 ppint (dry, 370 02)	9-10-502.1	17571	source test
	7 10 303				7 10 302.1		
					BAAQMD		
					Condition		
					21235, Part 8		
СО	BAAQMD	Y		50 ppmv CO at 3% O2 over	BAAQMD	P/SA	source test
	Condition	1		any 3 hours, except startups	9-10-502.1	1/5/1	source test
	1694, Part			and shutdowns	9-10-302.1		
	C.3			and shutdowns	BAAQMD		
	C.3				Condition		
0 1	D + + 63 (D			D: 1 1 6	21235, Part 8	27	NT.
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
\$372 - UNIT 228, B-521 FURNACE

 $\begin{array}{c} \textbf{Table VII-A.34} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S438-Unit 110, H-1 Furnace} \end{array}$

	\$438 – 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					
NOx	BAAQMD	Y		7 ppmv NOx at 3% O2 over	None	С	CEM					
	Condition			any 1 hours, except startups								
	1694, Part			and shutdowns								
	E.4											
Heat input	BAAQMD	Y		250 MMbtu/hr,	BAAQMD	P/D	records					
	Condition			6,000 MMbtu/day	Condition							
	1694, Part				1694, Part							
	A.1c				A.5							
Heat input	BAAQMD	Y		2.19 E 12 btu/yr fuel	BAAQMD	P/D	records					
	Condition			combustion	Condition							
	1694, Part				1694, Part							
	E.2				E.6							
O2		Y		No limit	None	С	O2 Monitor					
СО	BAAQMD	Y		32 ppmv CO at 3% O2 over	BAAQMD	С	CEM					
	Condition			any calendar day, except	1-521							
	1694, Part			startups and shutdowns								
	E.4											
TRS	BAAQMD	Y		1 ppmw TRS in PSA offgas	Overall fuel	P/D	records					
	Condition			used as fuel	TRS							
	1694, Part				monitored by							
	E.3				BAAQMD							
					Condition							
					1694, Part							
					E.5							
TRS	BAAQMD	Y		14 ppmv TRS over any	BAAQMD	P/3 times	TRS					
	Condition			month, in fuel gas	Condition	per day	analysis					
	1694, Part			-	1694, Part							
	E.5				E.5							
Opacity	BAAQMD	N		During tube cleaning,	None for	N	None					
	6-1-304			Ringelmann No. 2 for 3	gaseous-							
				min/hr and 6 min/billion	fueled							
				btu in 24 hours; applies to	sources							
				sources rated over 140								
				MMbtu/hr (with tubes)								

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S372 – UNIT 228, B-521 FURNACE

			Future	- UNII 220, D- 321 FUI	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	SIP	Y	Dute	During tube cleaning,	None for	N	None
Opacity	6-304	1		Ringelmann No. 2 for 3	gaseous-	11	Tione
	0-304			min/hr and 6 min/billion	fueled		
				btu in 24 hours; applies to	sources		
				sources rated over 140	sources		
				MMbtu/hr (with tubes)			
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
Opacity	6-1-301	11		than 3 minutes in any hour	gaseous-	11	Tione
	0-1-301			than 5 minutes in any nour	fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
Opacity	6-301	1		than 3 minutes in any hour	gaseous-	11	Tione
	0 301			than 5 minutes in any nour	fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
11	6-1-305	11		1 follotion of huisance	TVOIC	11	Tione
FP	SIP	Y		Prohibition of nuisance	None	N	None
11	6-305	1		1 Tomorrion of nuisance	rvone	11	Tione
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
	6-1-310.3	1,		0,10 gram, aser 0 0,0 0 2	gaseous-	-,	1,0110
	0 1 510.5				fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3	_		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	gaseous-	-,	
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	TRS
	Condition			month from non-	Condition	per day	analysis
	1694, Part			cogeneration sources	1694, Part		
	A.4			-	A.3a		
H2S	40 CFR	Y		fuel gas H2S concentration	40 CFR	С	H2S
	60.104(a)			limited to 230 mg/dscm	60.105(a)(4)		analyzer
	(1)			(0.10 gr/dscf)			_

Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
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
H2S	40 CFR	Y		PSA Off Gas:	40 CFR	N	None
	60.104(a)			fuel gas H2S concentration	60.105(a)(4)		
	(1)			limited to 230 mg/dscm	(iv)		
				(0.10 gr/dscf)			
H2S	40 CFR	Y		Unit 240 Sweet Unicracker	40 CFR	N	None
	60.104(a)			Gas:	60.105(a)(4)		
	(1)			fuel gas H2S concentration	(iv)		
				limited to 230 mg/dscm			
				(0.10 gr/dscf)			

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		CEM for NOx and O2 (or	BAAQMD	С	CEM						
				CO2)	1-520.8								
NOx	BAAQMD	Y		10 ppmv NOx at 3% O2 (3	BAAQMD	С	CEM						
	Condition			hour average), except	Condition								
	21096,			startups and shutdowns	21096, Part								
	Part 3b				5a								
Heat input	BAAQMD	Y		52 MMbtu/hr;	BAAQMD	C	continuous						
	Condition			439,800 MMbtu/12-month	Condition		fuel flow						
	21096,			period	21096, Part 4		monitor						
	Part 2												
O2		Y		No limit	BAAQMD	С	O2 Monitor						
					Condition								
					21096, Part								
					5a								
CO	BAAQMD	Y		28 ppmv CO at 3% O2 (8	BAAQMD	P/SA	source test						
	Condition			hour average) when fired	Condition								
	21096,			50% capacity or more and	21096, Part								
	Part 3b			50 ppmv CO at 3% O2 (8	5b								
				hour average) when fired									
				less than 50% capacity,									
				except startups and									
				shutdowns									
POC	BAAQMD	Y		5.5 lb POC per MM ft3 of		N	None						
	Condition			fuel									
	21096,												
	Part 3b												
PM10	BAAQMD	Y		7.6 lb PM10 per MM ft3 of		N	None						
	Condition			fuel									
	21096,												
	Part 3b												

 $\begin{tabular}{ll} Table~VII-A.35\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S461-UNIT~250,~B-701~HEATER\\ \end{tabular}$

			Future	CIVII 250, B 701 IIE	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
		Y/N		Limit	_		_
Limit	of Limit		Date		Citation	(P/C/N)	Type
ammonia	BAAQMD	N		10 ppmv ammonia at 3%		N	None
	Condition			O2 (8 hour average), except			
	21096,			startups and shutdowns			
	Part 3b						
Opacity	BAAQMD	N		Ringelmann 1 for no more	None for	N	None
	6-1-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
Opacity	SIP	Y		Ringelmann 1 for no more	None for	N	None
	6-301			than 3 minutes in any hour	gaseous-		
					fueled		
					sources		
FP	BAAQMD	N		Prohibition of nuisance	None for	N	None
	6-1-305				gaseous-		
					fueled		
					sources		
FP	SIP	Y		Prohibition of nuisance	None for	N	None
	6-305				gaseous-		- 1,0-12
	0 202				fueled		
					sources		
FP	BAAQMD	N		0.15 grain/dscf @ 6% O2	None for	N	None
11	6-1-310.3	11		0.13 grani/user @ 0/0 02	gaseous-	11	Tione
	0-1-310.3				fueled		
ED	CID	37		0.15 : /1 (@ 60/ 02	sources	N	N
FP	SIP	Y		0.15 grain/dscf @ 6% O2	None for	N	None
	6-310.3				gaseous-		
					fueled		
					sources		
SO2	BAAQMD	Y		1,612 lb/day SO2 over any	BAAQMD	P/3 times	GC or total
	Condition			month from non-	Condition	per day	sulfur
	1694, Part			cogeneration sources	1694, Part		analysis
	A.4				A.3a		

 $\begin{tabular}{ll} Table~VII-A.35\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S461-UNIT~250,~B-701~HEATER\\ \end{tabular}$

			E-4	CIVIT 200, D 701 112		3.5	
			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		100 ppmv TRS (1 day	BAAQMD	С	GC or total
	Condition			average), 45 ppmv TRS	Condition		sulfur
	21096,			(annual average)	21096, Part		analysis
	Part 6				7a, 7b		
H2S	40 CFR	Y		fuel gas H2S concentration	Condition	P/3 times	H2S
	60.104(a)			limited to 230 mg/dscm	21096, part	per day	analysis
	(1)			(0.10 gr/dscf)	7c		
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	records
startup	Condition				21097, part		
	21096,				10		
	Part 3b						
Duration of	BAAQMD	Y		24 consecutive hours	Condition	P/E	records
shutdown	Condition				21097, part		
	21096,				10		
	Part 3b						
Duration of	BAAQMD	Y		72 consecutive hours	Condition	P/E	records
heater	Condition				21097, part		
dryout/	21096,				10		
warmup	Part 3b						
periods							

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S400 WET WEATHER WASTEWATER SUMP
S401 DRY WEATHER WASTEWATER SUMP

				WEATHER WASIEWA	1221801112		
Type of	Citation		Future		Monitoring	Monitoring	
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/M, Q	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 4		
	4.b						
VOC	40 CFR	Y		No visible gaps or cracks in	40 CFR	P/SA	Visual
	60.692-			joints or seals, or other	60.692-		inspections
	2(c)(1)			problems that could result	2(c)(2)		
				in VOC emissions			
throughput	BAAQMD	Y		3.68 E 9 gal/yr each for	BAAQMD	P/M	records
	Condition			S400, S401	Condition		
	20989,				20989, Part A		
	Part A						

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S324 API OIL/WASTEWATER SEPARATOR

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/M, Q	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 4		
	4.a						
VOC	BAAQMD	Y		No cracks or gaps in roof	BAAQMD	P/SA	Visual
	8-8-306.1			seals, access doors, and	8-8-306.1		inspections
				other openings in the			
				effluent channel greater			
				than 0.32 cm (0.125 inch)			
				between the roof and wall			

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	40 CFR 60.692-3(a)	Y		Fixed roof access doors or openings shall be gasketed, latched, and kept closed	40 CFR 60.692- 3(a)(4)	P/SA	Visual inspections
VOC	40 CFR 61.347(a) (1)(i)(A)	Y		Fixed-roof operates with no detectable emissions as indicated by annual instrument monitoring of < 500 ppm above background	40 CFR 61.347(a) (1)(i)(A)	P/A	Method 21 portable hydrocarbon detector
through- put	BAAQMD Condition 1440, Part 6	Y		maximum design throughput - 7,500 gpm during media filter backwash and 7,000 gpm during all other times	None	N	None
Through- put	BAAQMD Condition 20989, Part A	Y		3.68 E 9 gal/yr	BAAQMD Condition 20989, Part A	P/M	records

639

Table VII – D

Applicable Limits and Compliance Monitoring Requirements
S1007 DISSOLVED AIR FLOTATION UNIT

Type of	Citation		Future	SSOLVED AIR PLOTAT	Monitoring	Monitoring	
Limit	of Limit	FE	Effective		Requirement	_	Manitanina
Lillit	of Lillin			T.	-	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		Roof seals, access doors,	BAAQMD	P/SA	visual
	8-8-307.1			and other openings shall be	8-8-307.1		
				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			
				(Standard applies when unit			
				not controlled by organic			
				compound vapor recovery			
				system)			
VOC	BAAQMD	N		For control by thermal	BAAQMD	С	Temperature
	8-8-307.2			oxidizer:	Condition		monitoring
				organic compound vapor	1440, Part		
				recovery system with a	7b(iii)		
				combined collection and			
				destruction efficiency of at			
				least 70 percent, by weight			
				(Standard applies when unit			
				controlled by organic			
				compound vapor recovery			
				system)			

640

Table VII – D

Applicable Limits and Compliance Monitoring Requirements
\$1007 DISSOLVED AIR FLOTATION UNIT

	S1007 DISSOLVED AIR FLOTATION UNIT											
Type of	Citation		Future		Monitoring	Monitoring						
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring					
		Y/N	Date	Limit	Citation	(P/C/N)	Type					
VOC	BAAQMD	N		For control by carbon:	BAAQMD	P/Daily,	PID or FID					
	8-8-307.2			organic compound vapor	Condition	then weekly						
				recovery system with a	1440, Part 7.c							
				combined collection and								
				destruction efficiency of at								
				least 70 percent, by weight								
				(Standard applies when unit								
				controlled by organic								
				compound vapor recovery								
				system)								
VOC	SIP	Y		organic compound vapor	BAAQMD	С	Temperature					
	8-8-307.2			recovery system with a	Condition		monitoring					
				combined collection and	1440, Part							
				destruction efficiency of at	7b(iii)							
				least 70 percent, by weight								
				(Standard applies when unit								
				not controlled by organic								
				compound vapor recovery								
				system)								
VOC	SIP	Y		For control by carbon:	BAAQMD	P/Daily,	PID or FID					
	8-8-307.2			organic compound vapor	Condition	then weekly						
				recovery system with a	1440, Part 7.c							
				combined collection and								
				destruction efficiency of at								
				least 70 percent, by weight								
				(Standard applies when unit controlled by organic								
				compound vapor recovery								
				system)								
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/M, Q	VOC					
	Condition			emissions	Condition	, •	analyzer					
	1440, Part				1440, Part 4		•					
	4.b											
POC	BAAQMD	Y		For control by thermal	BAAQMD	С	Temperature					
	Condition			oxidizer:	Condition		monitoring					
	1440, Part			Reduction of 44 tons POC	1440, Part							
	7a			per year	7b(iii)							

641

Table VII – D

Applicable Limits and Compliance Monitoring Requirements
S1007 DISSOLVED AIR FLOTATION UNIT

	Tune of Citation Future Manitoring Manitoring											
Type of	Citation		Future		Monitoring	Monitoring						
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring					
		Y/N	Date	Limit	Citation	(P/C/N)	Type					
POC	BAAQMD	Y		For control by carbon:	BAAQMD	P/Daily,	PID or FID					
	Condition			Reduction of 44 tons POC	Condition	then weekly						
	1440, Part			per year	1440, Part 7.c							
	7a											
Benzene	40 CFR	Y		No detectable emissions	40 CFR	P/A	Method 21					
	61.343(a)			over 500 ppmv above	61.355(h)		testing					
	(1)(i)(A)			background								
				(Standard applies when unit								
				controlled by organic								
				compound vapor recovery								
				system)								
Opacity	BAAQMD	N		Ringelmann No. 1 for no	None for	N	None					
	6-1-301			more than 3 minutes/hour	gaseous-							
					fueled							
					sources							
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no	None for	Y	None					
				more than 3 minutes/hour	gaseous-							
					fueled							
					sources							
FP	BAAQMD	N		Prohibition of nuisance	None for	N	None					
	6-1-305				gaseous-							
					fueled							
					sources							
FP	SIP 6-305	Y		Prohibition of nuisance	None for	N	None					
					gaseous-							
					fueled							
					sources							
FP	BAAQMD	N		0.15 grain/dscf	None for	N	None					
	6-1-310				gaseous-							
					fueled							
					sources							
FP	SIP 6-310	Y		0.15 grain/dscf	None for	N	None					
					gaseous-							
					fueled							
					sources							
L	11	l			1 500	l						

Table VII – D

Applicable Limits and Compliance Monitoring Requirements
S1007 DISSOLVED AIR FLOTATION UNIT

Type of	Citation		Future		Monitoring	Monitoring	
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
Pressure	40 CFR	Y		Pressure of head space less	40 CFR	С	Pressure
	61.353(a)			than atmospheric in S1007	61.354(g)		Monitoring
	(1)(i)(C)			(Standard applies when unit			
				controlled by organic			
				compound vapor recovery			
				system)			
through-	BAAQMD	Y		maximum design	None	N	None
put	Condition			throughput - 7,500 gpm			
	1440, Part			during media filter			
	6			backwash and 7,000 gpm			
				during all other times			
throughput	BAAQMD	Y		3.68 E 9 gal/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – Da

Applicable Limits and Compliance Monitoring Requirements

A49 DAF THERMAL OXIDIZER

			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	N		For control by thermal	BAAQMD	C	Temperature
	8-8-307.2			oxidizer:	Condition		monitoring
				organic compound vapor	1440, Part		C
				recovery system with a	7b(iii)		
				combined collection and			
				destruction efficiency of at			
				least 70 percent, by weight			
				(Standard applies when unit			
				controlled by organic			
				compound vapor recovery			
				system)			
Benzene	40 CFR	Y		95% control of organic	40 CFR	С	Temperature
	61.349(a)			emissions	61.354(c)(1)		Monitoring
	(2)(i)(A)						
Benzene	40 CFR	Y		Temperature TBD	40 CFR	С	Temperature
	61.349(a)				61.356(f)(3)		Monitoring
	(2)(i)(A)				(i)		
Benzene	61.349(a)	Y		CVS leak tightness	40 CFR	P/A	Method 21
	(1)(i)			standards (<500 ppmw)	61.349(a)(1)		
					(i)		
Benzene	61.349(a)	Y		CVS with bypass line car-	40 CFR	P/M	Visual
	(1)(ii)(B)			seal closed	61.354(f)(1)		Inspection
Benzene	61.349(a)	Y		CVS and control device	40 CFR	P/Q	Visual
	(2)(i)(A)			evidence of visual defects	61.349(f)		Inspection
POC	BAAQMD	Y		For control by thermal	BAAQMD	С	Temperature
	Condition			oxidizer:	Condition		monitoring
	1440, Part			Reduction of 44 tons POC	1440, Part		
	7a			per year	7b(iii)		
POC	BAAQMD	Y		For control by carbon:	BAAQMD	P/Daily,	PID or FID
	Condition			Reduction of 44 tons POC	Condition	then weekly	
	1440, Part			per year	1440, Part		
	7a, 40				7.c, 40 CFR		
	CFR				61.354(d)		
	61.349(a)(
	2)(ii)						

Table VII – Da Applicable Limits and Compliance Monitoring Requirements A49 DAF THERMAL OXIDIZER

F W W W W								
			Future		Monitoring	Monitoring		
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring	
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type	
Tempe-	BAAQMD	Y		Temperature limit TBD	BAAQMD	C	Temperature	
rature	Condition				Condition		monitoring	
	1440, Part				1440, Part			
	7b(ii)				7b(iii)			
Opacity	BAAQMD	N		Ringelmann No. 1 for no	None for	N	None	
	6-1-301			more than 3 minutes/hour	gaseous-			
					fueled			
					sources			
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no	None for	Y	None	
				more than 3 minutes/hour	gaseous-			
					fueled			
					sources			
FP	BAAQMD	N		Prohibition of nuisance	None for	N	None	
	6-1-305				gaseous-			
					fueled			
					sources			
FP	SIP 6-305	Y		Prohibition of nuisance	None for	N	None	
					gaseous-			
					fueled			
					sources			
FP	BAAQMD	N		0.15 grain/dscf	None for	N	None	
	6-1-310				gaseous-			
					fueled			
					sources			
FP	SIP 6-310	Y		0.15 grain/dscf	None for	N	None	
				-	gaseous-			
					fueled			
					sources			

Table VII – Db

Applicable Limits and Compliance Monitoring Requirements

A51, DAF CARBON BED

T	Citatian			ASI, DAF CARBON BE		Manitanina	
Type of	Citation	DD.	Future		Monitoring	Monitoring	3.5
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	N		organic compound vapor	BAAQMD	С	Break-
	8-8-307.2			recovery system with a	Condition		through
				combined collection and	1440, Part		monitoring
				destruction efficiency of at	7c(iii)-(iv)		
				least 70 percent, by weight			
				(Standard applies when unit			
				not controlled by organic			
				compound vapor recovery			
				system)			
VOC	SIP	Y		organic compound vapor	BAAQMD	С	Break-
	8-8-307.2			recovery system with a	Condition		through
				combined collection and	1440, Part		monitoring
				destruction efficiency of at	7c(iii)-(iv)		
				least 70 percent, by weight			
				(Standard applies when unit			
				not controlled by organic			
				compound vapor recovery			
				system)			
Benzene	40 CFR	Y		95% control of organic	40 CFR	Daily or at	Break-
	61.349(a)			emissions	61.354(d)	intervals no	through
	(2)(ii)					greater than	monitoring
						20% of	
						design	
						replacement	
						interval	
Benzene	61.349(a)	Y		CVS leak tightness	40 CFR	P/A	Method 21
	(1)(i)			standards (<500 ppmw)	61.349(a)(1)		
	. , , ,			. 11	(i)		
Benzene	61.349(a)	Y		CVS with bypass line car-	40 CFR	P/M	Visual
	(1)(ii)(B)			seal closed	61.354(f)(1)		Inspection
Benzene	61.349(a)	Y		CVS and control device	40 CFR	P/Q	Visual
	(2)(i)(A)	-		evidence of visual defects	61.349(f)	- , &	Inspection
	(~)(1)(11)			2. Idence of visual defects	01.077(1)		mspection

646

Table VII – Db Applicable Limits and Compliance Monitoring Requirements A51, DAF CARBON BED

A51, DAF CARBON DED									
Type of	Citation		Future		Monitoring	Monitoring			
Limit	of Limit	FE	Effective		Requirement	Frequency	Monitoring		
		Y/N	Date	Limit	Citation	(P/C/N)	Type		
POC	BAAQMD	Y		For control by carbon:	BAAQMD	P/Daily,	PID or FID		
	Condition			Reduction of 44 tons POC	Condition	then weekly			
	1440, Part			per year	1440, Part				
	7a, 40				7.c, 40 CFR				
	CFR				61.354(d)				
	61.349(a)								
	(2)(ii)								
Opacity	BAAQMD	N		Ringelmann No. 1 for no	None for	N	None		
	6-1-301			more than 3 minutes/hour	gaseous-				
					fueled				
Omagity	CID 6 201	Y		Dingalmann No. 1 for no	Sources None for	Y	None		
Opacity	SIP 6-301	ĭ		Ringelmann No. 1 for no more than 3 minutes/hour	None for gaseous-	Y	None		
				more than 5 minutes/nour	fueled				
					sources				
FP	BAAQMD	N		Prohibition of nuisance	None for	N	None		
	6-1-305	-,		Tromotion of national	gaseous-	-,	110110		
					fueled				
					sources				
FP	SIP 6-305	Y		Prohibition of nuisance	None for	N	None		
					gaseous-				
					fueled				
					sources				
FP	BAAQMD	N		0.15 grain/dscf	None for	N	None		
	6-1-310				gaseous-				
					fueled				
					sources				
FP	SIP 6-310	Y		0.15 grain/dscf	None for	N	None		
					gaseous-				
					fueled				
					sources				
Tempe-	BAAQMD	Y		Temperature limit TBD	BAAQMD	С	Temperature		
rature	Condition				Condition		monitoring		
	1440, Part				1440, Part				
	7b(ii)				7b(iii)				

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

	5505 CEARTIER 1 205, 5504 CEARTIER 1 204								
			Future		Monitoring	Monitoring			
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring		
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type		
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/M, Q	VOC		
	Condition			emissions	Condition		analyzer		
	1440, Part				1440, Part 4				
	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
VOC				None	BAAQMD	P/E	Records of
					8-8-501		bypassed
							wastewater,
							organic
							compound
							concen-
							tration
	BAAQMD			Minimize diversions	BAAQMD	P/E	records
	Condition				Condition		
	1440, Part 2				1440, Part 3		

Table VII - G

Applicable Limits and Compliance Monitoring Requirements S385 – WASTEWATER EFFLUENT MEDIA FILTER F271-F278 S386 – PAC REGENERATION SLUDGE THICKENER F-211 S387 – WET AIR REGENERATION SYSTEM P-202 S390 – THICKENED SLUDGE STORAGE F-106

S392 - REGENERATED PAC SLURRY STORAGE F-266

T 0 0 6	Citation of		E4		Manitanina	Manitanina	
Type of	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		no detectable VOC	BAAQMD	P/M, Q	VOC
	Condition			emissions	Condition		analyzer
	1440, Part				1440, Part 4		
	4.c						
Through-	BAAQMD	Y		S385: 3.68 E 9 gal/yr	BAAQMD	P/M	records
put	Condition			S386: 3.2 E 7 gal/yr,	Condition		
	20989, Part			S387: 13.14 E 6 gal/yr	20989, Part A		
	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	Citation of		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
		Y/N	Date	Limit	Citation	(P/C/N)	Type
None							
VOC	40 CFR	Y		Junction box covers shall	40 CFR	P/SA	Visual
	60.692-			have a tight seal around the	60.692-		inspections
	2(b)(2)			edge and kept in place at all	2(b)(3)		
				times			

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)	Type
VOC	40 CFR	Y		No visible gaps or cracks in	40 CFR	P/SA	Visual
	60.692-			joints or seals, or other	60.692-		inspections
	2(c)(1)			problems that could result	2(c)(2)		
				in VOC emissions			

Table VII – J

Applicable Limits and Compliance Monitoring Requirements

WASTEWATER GAUGING AND SAMPLING DEVICES

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 tight gauging and	BAAQMD	N	Portable
	8-8-303			sampling devices	8-8-504 8-8-603		hydrocarbon detector

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S294 – NON-RETAIL GASOLINE DISPENSING FACILITY

	5274 - NON-RETAIL GASOLINE DISTENSING FACILITY										
			Future		Monitoring	Monitoring					
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring				
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
VOC	BAAQMD	Y		Vapor recovery	BAAQMD	A	Vapor				
	8-7-301.6			equipment shall be	8-7-301.13		tightness test				
	and 8-7-			leak-free and vapor							
	302.5			tight							
VOC	BAAQMD	N		98% or highest vapor	None	N	None				
	8-7-301.10			recovery rate specified							
				by CARB							
VOC	None			None	BAAQMD	A	Backpressure				
					8-7-302.14		test				
VOC	BAAQMD	N		Fugitives < 0.42	None	N	None				
	8-7-313.1			lb/1000 gallon							

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S294 – Non-Retail Gasoline Dispensing Facility

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	N		Spillage ≤ 0.42	None	N	None
	8-7-313.2			lb/1000 gallon			
VOC	BAAQMD	N		Liquid Retain +	None	N	None
	8-7-313.3			Spitting ≤ 0.42			
				lb/1000 gallon			
VOC	SIP	Y		95% recovery of	None	N	None
	8-7-301.2			gasoline vapors			
VOC	California	N		Drop Tube/Drain	BAAQMD	CARB Test	P/36 months
	Air			Valve Test	Condition	Procedure	
	Resources				18680, Part 2	TP201.1C	
	Board					or 201.1D	
	Executive						
	Order VR-						
	101						
VOC	California	N		Torque Test	BAAQMD	CARB Test	P/36 months
	Air				Condition	Procedure	
	Resources				18680, Part 2	TP201.1B	
	Board						
	Executive						
	Order VR-						
	101						
VOC	BAAQMD	Y		Leak Test	BAAQMD	CARB Test	A
	Regulation				Regulation	Procedure	
	301.13				301.13	TP201.3	
VOC	BAAQMD	Y		Vapor-to-Liquid (V/L)	CARB	CARB	A
	Regulation			Test	Executive	Executive	
	302.15				Order VR-201	Order VR-	
						201, Exhibit	
						5	
VOC	BAAQMD	Y		Healy Clean Air	CARB	CARB	A
	Regulation			Separator Test	Executive	Executive	
	302.15				Order VR-201	Order VR-	
						201, Exhibit	
						4	

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
Through-	BAAQMD	N		400,000 gal/yr	BAAQMD	P/A	Records
put	Condition				8-7-503		
	7523						
					BAAQMD		
					Condition	P/M	Records
					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 $S296-C\text{--}1\ FLARE$ $S398-MP\text{--}30\ FLARE$

[Flares which are visually inspected upon release, with no remote viewing system]

_			Future	pected upon release, v	Monitoring	Monitoring	
Tr. e	G:4 4: 6	EE			_		3.5
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. 1 for no	BAAQMD	P/E	Visual
	6-1-301			more than 3 minutes/hr	Condition		Inspection
					18255, Part 4		
FP	BAAQMD	N		Prohibition of nuisance	None	N	None
	6-1-305						
FP	SIP	Y		Prohibition of nuisance	None	N	None
	6-305						
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Visual
	6-1-310			0.15 grains per dscf of gas	Condition		Inspection
				volume	18255, Part 4		
SO2	40 CFR	Y		Flares are exempt when	None	N	None
	60.104(a)			they are used only for			
	(1)			startup, shutdown, malfunction, and upset			
				gases			
All		N		gases	BAAQMD	P/C	Flow Rate
1		1,			12-11-501 &	1,0	110 11 11410
					12-11-505		
All		N			BAAQMD	P/E	Composition
					12-11-502.1		P
					&		
					12-11-505		
All		N			BAAQMD	P/E	Composition
					12-11-502.3		
					&		
					12-11-505		
All		N			BAAQMD	P/C	Flame
					12-11-503 &		Detector
					12-11-505		
All		N			BAAQMD	P/C	Purge Gas
					12-11-504 &		Flow Rate
					12-11-505		
All		N			BAAQMD	P/C	1 frame per
					12-11-507		minute
							image video
							recording

 $Table\ VII-M \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S300-U-200\ DELAYED\ COKER$

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	BAAQMD	P/E	Records
	8-10-301			from process vessel	8-10-501 &		
				depressurization is required	8-10-502		
				until pressure is reduced to			
				less than 1000 mm Hg (4.6			
				psig)			
POC	SIP	Y		abatement of emissions	SIP	P/E	Records
	8-10-301			from process vessel	8-10-401.2		
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg (4.6			
				psig)			
Through-	BAAQMD	Y		81,000 bbl/day	BAAQMD	P/D	records
put	Condition				Condition		
	21092, Part				21092, Part 2		
	1						

Table VII – Na

Applicable Limits and Compliance Monitoring Requirements S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 - U-240 UNICRACKING UNIT; S309 - U-248 UNISAR UNIT;

S318 - U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 – U-215 GASOLINE FRACTIONATING UNIT;

S322 – U-40 RAW MATERIALS RECEIVING; S339, U80 REFINED OIL SHIPPING UNIT;

S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 – REFORMATE SPLITTER; S436 – DEISOPENTANIZER;

S460 - U-250 ULSD HYDROTREATER

			-	e 250 eESD Hibkor		35	
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	For addition	al requ	irements for	S434, see Table VII-I.1.			
POC	BAAQMD	Y		abatement of emissions	BAAQMD	P/E	Records
	8-10-301			from process vessel	8-10-501 &		
				depressurization is required	8-10-502		
				until pressure is reduced to			
				less than 1000 mm Hg (4.6			
				psig)			
POC	SIP	Y		abatement of emissions	SIP	P/E	Records
	8-10-301			from process vessel	8-10-401.2		
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg (4.6			
				psig)			
throughput	BAAQMD	Y		S305: 9.23 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S435: 6.6 E 6 bbl/yr	Condition		
	20989,			S436: 4.7 E 6 bbl/yr	20989, Part A		
	Part A			S437: 10.4 E 9 ft3/yr			
throughput	BAAQMD	N		S319: 3.51 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						
throughput	BAAQMD	Y		35,000 bbl/day (monthly	BAAQMD	P/D	records
(S460	Condition			average)	Condition		
only)	21094,				21094, Part 2		
	Part 1						

Table VII - Na

Applicable Limits and Compliance Monitoring Requirements S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 – U-240 UNICRACKING UNIT; S309 – U-248 UNISAR UNIT;

 $S318-U\text{-}76\ Gasoline\ /\ Mid\text{-}Barrel\ Blending\ Unit;}$

S319 - U-215 GASOLINE FRACTIONATING UNIT;

S322 – U-40 RAW MATERIALS RECEIVING; S339, U80 REFINED OIL SHIPPING UNIT; S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

S460 - U-250 ULSD HYDROTREATER

	5400 – U-250 ULSD HYDRUIREAIER											
			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		12,198 bbl/day (monthly	BAAQMD	P/D	records					
(S304	Condition			average)	Condition							
only)	21095,				21095, Part 2							
	Part 1											
throughput	BAAQMD	Y		113,150 bbl/day	BAAQMD	P/D	records					
(S318	Condition			(except for diesel, which	Condition							
only)	22549,			does not have a daily limit)	22549, Part 2							
	Part 1											
throughput	BAAQMD	Y		41,300,000 bbl/yr	BAAQMD	P/D	records					
(S318	Condition			excluding diesel	Condition							
only)	22549,				22549, Part 3							
	Part 2											
throughput	BAAQMD	Y		65,000 bbl/day	BAAQMD	P/D	records					
(S307	Condition				Condition							
only)	22965,				22965, Part 2							
	Part 1											
throughput	BAAQMD	Y		18.500 bbl/day	BAAQMD	P/D	records					
(S308	Condition				Condition							
only)	22966,				22966, Part 2							
	Part 1											
throughput	BAAQMD	Y		16,740 bbl/day	BAAQMD	P/D	Records					
(S309	Condition				Condition							
only)	22967,				22967, Part 2							
	Part 1											

Table VII - Na

Applicable Limits and Compliance Monitoring Requirements S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 – U-240 UNICRACKING UNIT; S309 – U-248 UNISAR UNIT;

S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 - U-215 GASOLINE FRACTIONATING UNIT;

S322 – U-40 RAW MATERIALS RECEIVING; S339, U80 REFINED OIL SHIPPING UNIT; S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

S460 - U-250 ULSD HYDROTREATER

	S400 – U-250 ULSD HYDRUIREAIER											
			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		52,600,000 bbl/12-month	BAAQMD	P/D	Records					
(S339	Condition			period	Condition							
only)	22968,				22968, Part 2							
	Part 1											
throughput	BAAQMD	Y		8,395,500 bbl/12-month	BAAQMD	P/M	Records					
(S434	Condition			period	Condition							
only)	22969,				22969, Part 2							
	Part 1											
NOX	BAAQMD	Y		13.5 tons per any	BAAQMD	P/A	CEMS,					
(S434	Condition			consecutive 12 months for	Condition		source tests,					
only)	22970,			S45, S434, and S1010	22970, Part		and					
	Part A.2.a			combined	A.4.c		calculations					
CO	BAAQMD	Y		40.72 tons per any	BAAQMD	P/A	CEMS,					
(S434	Condition			consecutive 12 months for	Condition		source tests,					
only)	22970,			S45, S434, and S1010	22970, Part		and					
	Part A.2.e			combined	A.4.c		calculations					
POC	BAAQMD	Y		1.9 tons per any	BAAQMD	P/A	Source tests					
(S434	Condition			consecutive 12 months for	Condition		and					
only)	22970,			S45, S434, and S1010	22970, Part		calculations					
	Part A.2.d			combined	A.4.c							
PM10	BAAQMD	Y		2.5 tons per any	None	N	None					
(S434	Condition			consecutive 12 months for								
only)	22970,			S45, S434, and S1010								
	Part A.2.c			combined								

Table VII - Na

Applicable Limits and Compliance Monitoring Requirements S304 –U-229 LIGHT NAPHTHA HYDROTREATER;

S305 - U-230 Prefractionator / Naphtha Hydrotreater;

S307 – U-240 UNICRACKING UNIT; S309 – U-248 UNISAR UNIT;

S318 – U-76 GASOLINE / MID-BARREL BLENDING UNIT;

S319 - U-215 GASOLINE FRACTIONATING UNIT;

S322 – U-40 RAW MATERIALS RECEIVING; S339, U80 REFINED OIL SHIPPING UNIT; S434, U246 HIGH PRESSURE REACTOR TRAIN (CRACKING);

S435 - REFORMATE SPLITTER; S436 - DEISOPENTANIZER;

S460 - U-250 ULSD HYDROTREATER

5400 - C-250 CLSD IIIDROTREATER									
			Future		Monitoring	Monitoring			
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring		
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type		
PM10	BAAQMD	Y		16.3 tons per any	BAAQMD	P/A	Source tests		
(S434	Condition			consecutive 12 months for	Condition		and		
only)	22970,			S45, S434, and S1010 at	22970, Part		calculations		
	Part A.6			Facility A0016 and S2 and	A.6				
				S3 at Facility B7419,					
				combined					
Ammonia	BAAQMD	N		6.35 tons per any	BAAQMD	P/A	Source tests		
(S434	Condition			consecutive 12 months for	Condition		and		
only)	22970,			S45, S434, and S1010	22970, Part		calculations		
	Part A.2.g			combined	A.4.c				
SO2	BAAQMD	Y		34.4 tons per any	BAAQMD	P/A	CEMS,		
(S434	Condition			consecutive 12 months for	Condition		source tests,		
only)	22970,			S45, S434, and S1010	22970, Part		and		
	Part A.2.b			combined	A.4.c		calculations		
Sulfuric	BAAQMD	Y		6.01 tons per any	BAAQMD	P/A	Source tests,		
Acid Mist	Condition			consecutive 12 months for	Condition		and		
(S434	22970,			S45, S434, and S1010	22970, Part		calculations		
only)	Part A.2.f			combined	A.4.c				
Sulfuric	BAAQMD	Y		38 lb/day for S45, S434,	BAAQMD	P/A	Source tests		
Acid Mist	Condition			and S1010 at Facility	Condition		and		
(S434	22970,			A0016 and S2 at Facility	22970, Part		calculations		
only)	Part A.3			B7419 combined	A.4.c				

Table VII – Nb

Applicable Limits and Compliance Monitoring Requirements
\$306 – U-231 PLATFORMING UNIT; \$308 – U-244 REFORMING UNIT;

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	Y		abatement of emissions	BAAQMD	P/E	Records
	8-10-301			from process vessel	8-10-501 &		
				depressurization is required	8-10-502		
				until pressure is reduced to			
				less than 1000 mm Hg (4.6			
				psig)			
POC	SIP	Y		abatement of emissions	SIP	P/E	Records
	8-10-301			from process vessel	8-10-401.2		
				depressurization is required			
				until pressure is reduced to			
				less than 1000 mm Hg (4.6			
				psig)			
TOC	40 CFR	Y		98% control of non-	Monitoring to	TBD	TBD
	63.1566(a)			methane TOC by weight or	be determined		
	(1)(ii) or			concentration of 20 ppmw	during initial		
	(1)(i) as			as hexane, dry @ 3% O2,	compliance		
	shown			whichever is less stringent	demon-		
	above				stration for		
					chosen		
					control and		
					according to		
					Tables 17 &		
					18 of 40 CFR		
					63, Subpart		
					UUU.		

Table VII – Nb
Applicable Limits and Compliance Monitoring Requirements
S306 – U-231 PLATFORMING UNIT: S308 – U-244 REFORMING UNIT:

	5500 - 0-2511 LATFORMING UNI1, 5500 - 0-244 REFORMING UNI1,									
			Future		Monitoring	Monitoring				
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring			
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type			
HCl	40 CFR	Y		92% reduction or to	40 CFR	P/E	Color-metric			
	63.1567(a)			concentration of 30 ppmv,	63.1572(c)(1)		monitoring			
	(1)			dry @ 3% O2	and (2)					
	, ,			j	or					
					Monitoring to					
					be determined					
					during initial					
					compliance					
					demon-					
					stration					
throughput	BAAQMD	Y		S306: 5.66 E 6 bbl/yr	BAAQMD	P/M	records			
	Condition				Condition					
	20989,				20989, Part A					
	Part A									
throughput	BAAQMD	Y		Applies to S308	BAAQMD	P/D	Records			
	Condition			18,500 bbl/day	Condition					
	22966,				22966, Part 2					
	Part 1									

Table VII – Nc

Applicable Limits and Compliance Monitoring Requirements
\$437 – Hydrogen Plant; \$464, Hydrogen Plant

			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		S437	None	N	None
	8-2-301			emission streams with 15			
				lb/day AND 300 ppm total			
				carbon on a dry basis			
				prohibited			

Table VII – Nc

Applicable Limits and Compliance Monitoring Requirements

\$437 – Hydrogen Plant; \$464, Hydrogen Plant

	5457 - IIIDROGENI LANI, 5404, IIIDROGENI LANI										
			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		S464	BAAQMD	P/D	visual				
	8-2-301			emission streams with 15	Condition		inspection				
				lb/day AND 300 ppm total	6671, Part 4						
				carbon on a dry basis							
				prohibited	BAAQMD	P/A	source test				
					Condition						
					6671, Part 6						
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records				
	8-10-301			from process vessel	(SIP) and						
				depressurization is required	8-10-501 &						
				until pressure is reduced to	502 (non-						
				less than 1000 mm Hg	SIP)						
VOC	BAAQMD	Y		emission streams with 15	BAAQMD	P/D	visual				
(S464	Condition			lb/day AND 300 ppm total	Condition		inspection				
only)	6671, Part			carbon on a dry basis	6671, Part 4						
	2			prohibited							
					BAAQMD	P/A	source test				
					Condition						
					6671, Part 6						
throughput	BAAQMD	Y		S437: 10.4 E 9 ft3/yr	BAAQMD	P/M	records				
	Condition				Condition						
	20989,				20989, Part A						
	Part A										

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S350 – U-267 CRUDE DISTILLATION UNIT

	S330 – U-207 CRUDE DISTILLATION UNIT										
			Future		Monitoring	Monitoring					
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring				
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type				
POC	BAAQMD	Y		abatement of emissions	BAAQMD	P/E	Records				
	8-10-301			from process vessel	8-10-501 &						
				depressurization is required	8-10-502						
				until pressure is reduced to							
				less than 1000 mm Hg (4.6							
				psig)							
POC	SIP	Y		abatement of emissions	SIP	P/E	Records				
	8-10-301			from process vessel	8-10-401.2						
				depressurization is required							
				until pressure is reduced to							
				less than 1000 mm Hg (4.6							
				psig)							
SO2	BAAQMD	Y		crude oil sulfur content	BAAQMD	P/E	analysis				
	Condition			limit (1.5 weight%)	Condition						
	383, Part 1a				383, Part 1b						
Through-	BAAQMD	Y		36,000 bbl/day	BAAQMD	P/D	records				
put	Condition				Condition						
	383, Part 2				383, Part 3a						

 $Table\ VII-P$ Applicable Limits and Compliance Monitoring Requirements $S432-U\text{-}215\ Deisobutanizer$

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		abatement of emissions	8-10-401.2	P/E	Records
	8-10-301			from process vessel	(SIP) and		
				depressurization is required	8-10-501 &		
				until pressure is reduced to	502 (non-		
				less than 1000 mm Hg	SIP)		

 $Table\ VII-P$ Applicable Limits and Compliance Monitoring Requirements $S432-U\text{-}215\ Deisobutanizer$

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
	BAAQMD	Y		10,200 bbl/day	BAAQMD	P/D	records
	Condition				Condition		
	6725, Part				6725, Part 6		
	4						

$\label{eq:continuous_problem} Table~VII-Q.1$ Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	BAAQMD	Y		9 ppmv (note 1)	BAAQMD	С	CEM
	9-9-			@15% O ₂ (dry)	9-9-501,		
	301.1.3				Condition		
					12122, Part 9c		
NOx	BAAQMD	N	2/1/10	< 9 ppmv (note 1)	BAAQMD	С	CEM
	9-9-301.2			@15% O_2 (dry) or	9-9-501,		
				< 0.43 lb/MWhr	Condition		
					12122, Part 9c		
NOx	40 CFR	Y		110 ppmv	BAAQMD	С	CEM
	60.332			@15% O ₂ (dry)	9-9-501,		
	(a)(2)				Condition		
					12122, Part 9c		
					BAAQMD		
					Condition		
					18629, Part		
					IX.G.1.a		

663

Renewal Date: September 1, 2011

$\label{eq:continuous_problem} Table~VII-Q.1$ Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

S354 - COMBUSTION TURBINE

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
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 9c		
	9a			turbine/duct burner set			
				(condition invalid			
				after emissions			
				reduced to provide			
				offsets pursuant to			
				Application 13424)			
NOx	BAAQMD	Y		66 lb/hr and 79.8	BAAQMD	С	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9c		
	9b			turbine/duct burner set			
				(condition in force			
				after emissions			
				reduced to provide			
				offsets pursuant to			
				Application 13424)			
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	С	CEM
	Condition			turbine/duct burner set	Condition		
	18629, Part			AND 83 lb/hr total or	18629, Part		
	IX.E			25 ppmv at 15% O2 (3	IX.G.1.a		
				hr average)			
CO	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	С	CEM
	Condition				Condition		
	12122, Part				12122, Part		
	7				10b		
CO	BAAQMD	Y		200 ton/yr	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part		
	10a				10b		

664

Renewal Date: September 1, 2011

$\label{eq:continuous_problem} Table~VII-Q.1$ Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - 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
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	N		Ringelmann No. 1 for	None for	N	None
	6-1-301			no more than 3	gaseous-fueled		
				minutes/hour	sources		
Opacity	SIP 6-301	Y		Ringelmann No. 1 for	None for	N	None
				no more than 3	gaseous-fueled		
				minutes/hour	sources		
FP	BAAQMD 6-1-305	N		Prohibition of	None for	N	None
	0-1-303			nuisance	gaseous-fueled		
					sources		
FP	SIP 6-305	Y		Prohibition of	None for	N	None
				nuisance	gaseous-fueled		
					sources		
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None for	N	None
	0-1-310				gaseous-fueled		
					sources		
FP	SIP 6-310	Y		0.15 grain/dscf	None for	N	None
					gaseous-fueled		
					sources		
FP	BAAQMD	N		0.15 grain/dscf @ 6%	None for	N	None
	6-1-310.3			O2	gaseous-fueled		
					sources		

$\label{eq:continuous_problem} Table~VII-Q.1$ Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP	Y		0.15 grain/dscf @ 6%	None for	N	None
	6-310.3			O2	gaseous-fueled		
					sources		
SO2	40 CFR	Y		0.8 % sulfur in fuel by	40 CFR	P/D, then	Sulfur analysis
	60.333(b)			weight	60.334(h)(1)	reduced	
				(refinery fuel gas only)	and	frequency	
					60.334(h)(4)	according to	
					(i)(2)	custom	
						schedule	
SO2	40 CFR	Y		0.8 % sulfur in fuel by	40 CFR	N	None
	60.333(b)			weight	60.334(h)(3)(i)		
				(natural gas only)			
SO2	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
	18629, Part			AND 44 lb/hr total (3-	18629, Part		daily total
	IX.F			hr average); 34 lb/hr	IX.G.1.a		sulfur sampling
				total (3-hr average) for			of fuel gas
				more than 36 days per			
				year AND 153 ton/yr			
				total			

$\label{eq:continuous_problem} Table~VII-Q.1$ Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
H2S	40 CFR	Y		fuel gas H2S	40 CFR	С	H2S analyzer
	60.104(a)			concentration limited	60.105(a)(4)		
	(1)			to 230 mg/dscm (0.10	BAAQMD		
				gr/dscf) except for gas	Condition		
				burned as a result of	12122, Part 16		
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			
				(not applicable to			
				natural gas)			
H2S	40 CFR	Y		Natural gas only:	40 CFR	N	None
	60.104(a)			fuel gas H2S	60.105(a)(4)		
	(1)			concentration limited	(iv)		
				to 230 mg/dscm (0.10			
				gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			

$\label{eq:continuous_problem} Table~VII-Q.1$ Applicable Limits and Compliance Monitoring Requirements

S352 - COMBUSTION TURBINE

S353 - COMBUSTION TURBINE

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
H2S	40 CFR	Y		Unit 240 Sweet		N	None
	60.104(a)			Unicracker Gas:	40 CFR		
	(1)			fuel gas H2S	60.105(a)(4)		
				concentration limited	(iv)		
				to 230 mg/dscm (0.10			
				gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			
Through-	BAAQMD	Y		466 MMbtu/hr at each	BAAQMD	P/M	Fuel meter,
put	Condition			turbine/duct burner set	Conditions		records
	18629, Part			(moved from 8 rows	12122, part 9d;		
	IX.D.2			above)	18629, Part		
					IX.D.4		
Through-	BAAQMD	Y		1048 MMbtu/hr total	BAAQMD	P/M	Fuel meter,
put	Condition			(moved from 8 rows	Conditions		records
	18629, Part			above)	12122, part 9d;		
	IX.D.3				18629, Part		
					IX.D.4		

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

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y		66 lb/hr and 167	BAAQMD	С	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9c		
	9a			turbine/duct burner set			
				(condition invalid			
				after emissions			
				reduced to provide			
				offsets pursuant to			
				Application 13424)			
NOx	BAAQMD	Y		66 lb/hr and 79.8	BAAQMD	С	CEM
	Condition			ton/yr for all sources;	Condition		
	12122, Part			528 lb/day for each	12122, Part 9c		
	9b			turbine/duct burner set			
				(condition in force			
				after emissions			
				reduced to provide			
				offsets pursuant to			
				Application 13424)			
NOx	40 CFR	Y		0.20 lb/MMbtu for	40 CFR	N	None
	60.44b(a)			natural gas-firing only	60.48b(h) -		
	(4)(i)			conditions	Exempt from		
					NOx CEM		
					during natural		
					gas firing only		
					conditions		

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
NOx	40 CFR	Y		25 ppmv @ 15% O2	40 CFR	C	CEM
	60.44b(f)			(3-hr average) (based	60.48b(b)(l)		
				on PSD Permit	and		
				Condition 18629, Part	BAAQMD		
				IX.E)	Condition		
					18629, Part		
					IX.G.1.a		
NOx	BAAQMD	Y		664 lb/day per	BAAQMD	С	CEM
	Condition			turbine/duct burner set	Condition		
				AND 83 lb/hr total or	18629, Part		
	18629, Part			25 ppmv at 15% O2 (3	IX.G.1.a		
	IX.E			hr average)			
CO	BAAQMD	Y		39 ppmv @ 15% O2	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part		
	7				10b		
CO	BAAQMD	Y		200 ton/yr	BAAQMD	C	CEM
	Condition				Condition		
	12122, Part				12122, Part		
	10a				10b		
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	N		Ringelmann No. 1 for	None for	N	None
	6-1-301			no more than 3	gaseous-fueled		
				minutes/hour	sources		

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	SIP 6-301	Y	Dute	Ringelmann No. 1 for	None for	N	None
				no more than 3	gaseous-fueled		
				minutes/hour	sources		
FP	BAAQMD	N		Prohibition of	None for	N	None
	6-1-305			nuisance	gaseous-fueled		
					sources		
FP	SIP	Y		Prohibition of	None for	N	None
	6-1-305			nuisance	gaseous-fueled		
					sources		
FP	BAAQMD	N		0.15 grain/dscf	None for	N	None
	6-1-310				gaseous-fueled		
					sources		
FP	SIP 6-310	Y		0.15 grain/dscf	None for	N	None
					gaseous-fueled		
					sources		
FP	BAAQMD	N		0.15 grain/dscf @ 6%	None for	N	None
	6-1-310.3			O2	gaseous-fueled		
					sources		
FP	SIP	Y		0.15 grain/dscf @ 6%	None for	N	None
	6-310.3			O2	gaseous-fueled		
					sources		
Through-	BAAQMD	Y		2.42 E 12 btu/yr at	BAAQMD	P/D	Fuel meter,
put	Condition			S355, S356, S357	Condition		records
	12122,			(combined)	12122, Part 15		
	Part 6						

Table VII – Q.2

Applicable Limits and Compliance Monitoring Requirements

S355 – SUPPLEMENTAL DUCT BURNERS FOR S352

S356 – SUPPLEMENTAL DUCT BURNERS FOR S353

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y		15.6 lb/hr at each	BAAQMD	C/P	H2S CEM for
	Condition			turbine/duct burner set	Condition		fuel gas AND
	18629, Part			AND 44 lb/hr total (3-	18629, Part		daily total
	IX.F			hr average); 34 lb/hr	IX.G.1.a		sulfur sampling
					174.0.1.a		of fuel gas
				total (3-hr average) for			
				more than 36 days per			
				year AND 153 ton/yr			
				total			
H2S	40 CFR	Y		fuel gas H2S	40 CFR	С	H2S analyzer
	60.104(a)			concentration limited	60.105(a)(4)		
	(1)			to 230 mg/dscm (0.10			
				gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			
H2S	40 CFR	Y		Natural gas only:	40 CFR	N	None
	60.104(a)			fuel gas H2S	60.105(a)(4)		
	(1)			concentration limited	(iv)		
				to 230 mg/dscm (0.10			
				gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			

Table VII – 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

		5551		ENTERVINE DUCT BO	1		
			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	Y		Unit 240 Sweet		N	None
	60.104(a)			Unicracker Gas:	40 CFR		
	(1)			fuel gas H2S	60.105(a)(4)		
				concentration limited	(iv)		
				to 230 mg/dscm (0.10			
				gr/dscf) except for gas			
				burned as a result of			
				process upset or gas			
				burned at flares from			
				relief valve leaks or			
				other emergency			
				malfunctions			
Through-	BAAQMD	Y		466 MMbtu/hr at each	BAAQMD	P/M	Fuel meter,
put	Condition			turbine/duct burner set	Condition		records
	18629, Part			(moved from 2 rows	18629, Part		
	IX.D.2			above)	IX.D.4		
Through-	BAAQMD	Y		1048 MMbtu/hr total	BAAQMD	P/M	Fuel meter,
put	Condition			(moved from 2 rows	Condition		records
	18629, Part			above)	18629, Part		
	IX.D.3				IX.D.4		

Table VII - R

Applicable Limits and Compliance Monitoring Requirements S376 - TOOL ROOM COLD CLEANER

S377 – MACHINE SHOP COLD CLEANER S378 – AUTO SHOP COLD CLEANER

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		150 gal/yr of citrus-	BAAQMD	P/M	usage records
	Condition			based solvents, or	Condition		
	16677, Part			equivalent amount as	16677, Part 3a		
	1			allowed in Part 2			

Table VII – S

Applicable Limits and Compliance Monitoring Requirements

S425 – MARINE LOADING BERTH M1

S426 – MARINE LOADING BERTH M2

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
POC	BAAQMD	N		POC Emission ≤ 5.7 grams	BAAQMD	С	A420
	8-44-			per cubic meter (2 lb/1000	Condition		temperature
	304.1			barrel) loaded, or	4336, Part 1		
POC	BAAQMD	N		Controlled \geq 95% weight	BAAQMD	С	A420
	8-44-				Condition		temperature
	304.1				4336, Part 1		
POC	SIP	Y		POC Emission ≤ 5.7 grams	BAAQMD	С	A420
	8-44-			per cubic meter (2 lb/1000	Condition		temperature
	301.1			barrel) loaded, or	4336, Part 1		
POC	SIP	Y		Controlled > 95% weight	BAAQMD	С	A420
	8-44-				Condition		temperature
	301.2				4336, Part 1		
POC	BAAQMD	Y		Controlled ≥ 98.5% weight	BAAQMD	С	A420
	Condition				Condition		temperature
	4336, Part				4336, Part 1		
	9						
POC	BAAQMD	N		Vessels hatches, P/V	BAAQMD	P/E (after	inspection
	8-44-			valves, connections,	8-44-305.3 &	1/1/07,	with
	305.2			gauging ports and vents,	8-44-603	during every	portable
				and other equipment up to		operation)	VOC
				and including first			monitor
				connection			
				< 3 drops/minute for liquid			
				leak;			
				< 10,000 ppm for gaseous			
				leak			

Table VII – S Applicable Limits and Compliance Monitoring Requirements S425 – MARINE LOADING BERTH M1 S426 – MARINE LOADING BERTH M2

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	SIP	Y		Leak free and gas tight	Equipment	P/Q	inspection
	8-44-303				leak		with
					inspections as		portable
					specified in		VOC
					BAAQMD		monitor
					Regulation 8,		
					Rule 18		
POC	BAAQMD	Y		1300 degrees F minimum	BAAQMD	С	A420
	Condition			temperature during startup	Condition		temperature
	4336, Part			not to exceed 15 minutes,	4336, Part 2b		
	1			1400 degrees F minimum			
				temperature after startup			
POC	BAAQMD	Y		maximum loading pressure	BAAQMD	С	loading
	Condition			relative to lowest relief	Condition		pressure
	4336, Part			valve setting (80%)	4336, Part 2a		
	5						
POC	BAAQMD	Y		25,000 bbl/day of gasoline,	BAAQMD	P/D	loading
	Condition			naphtha and C5/C6	Condition		records
	4336, Part			compounds, annual average	4336, Part 8		
	6a			basis			
POC	BAAQMD	Y		20,000 bbl/hr of gasoline,	BAAQMD	P/D	loading
	Condition			naphtha and C5/C6	Condition		records
	4336, Part			compounds	4336, Part 8		
	6b						

Table VII – S Applicable Limits and Compliance Monitoring Requirements \$425 – Marine Loading Berth M1 \$426 – Marine Loading Berth M2

				VIARINE LOADING DE			
			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		P/E	
	Subpart J			limited to 230 mg/dscm	40 CFR		Detector
	60.104(a)			(0.10 gr/dscf) except for gas	60.13(i);		tube analysis
	(1)			burned as a result of	BAAQMD		
				process upset or gas burned	Condition		
				at flares from relief valve	4336, part 11		
				leaks or other emergency			
				malfunctions; this			
				requirement applies to			
				sources installed/modified			
				after 6/11/73 and burning			
				refinery gas			
Through-	BAAQMD	Y		30,682 bbl/day of crude	BAAQMD	P/D	loading
put	Condition			and/or gas oil received on	Condition		records
	4336, Part			12-month rolling average	4336, Part 8		
	7			basis			

Table VII – T Applicable Limits and Compliance Monitoring Requirements S450 – GROUNDWATER EXTRACTION TRENCHES

	<u> </u>										
			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	None	N	None
ammonia)	9-1-313.2			refinery fuel gas is			
	and SIP	Y		removed and			
	9-1-313.2			recovered on a			
				refinery-wide basis			
				AND 95% of H2S in			
				process water streams			
				is removed and			
				recovered on a			
				refinery-wide basis			
				AND 95% of			
				ammonia in process			
				water streams is			
				removed			
Opacity	BAAQMD	Y		Ringelmann No. 1 for	BAAQMD	Y	Visible
	6-1-301			no more than 3	Condition		emissions
				minutes/hour	19278		inspection
					Part 4		
FP	BAAQMD	Y		Prohibition of	BAAQMD	Y/annual or	Source test on
	6-1-305			nuisance	Condition	every 5	thermal
					19278	years	oxidizer stack
					Part 5		
FP	BAAQMD	Y		0.15 grain/dscf	BAAQMD	Y/annual or	Source test on
	6-1-310				Condition	every 5	thermal
					19278	years	oxidizer stack
					Part 5		
FP	BAAQMD	Y	After	4.10P ^{0.67} lb/hr, where	BAAQMD	Y/annual or	Source test on
	6-1-311		turn-	P is process weight,	Condition	every 5	thermal
			around	ton/hr	19278	years	oxidizer stack
					Part 5		
SO2	40 CFR	Y		250 ppm at 0% excess	40 CFR	C	CEM on
	60.104(a)			air, 12-hr rolling	60.105(a)(5)		thermal
	(2)			average			oxidizer stack
SO2	40 CFR	Y		250 ppm at 0% excess	40 CFR	C	CEM on
	63.1568(a)			air, 12-hr rolling	63.1572		thermal
	(1)(i)			average			oxidizer stack

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	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO3,	BAAQMD	Y		0.08 grain/dscf	BAAQMD	P/A	Source test on
H2SO4	6-1-330			exhaust concentration	Condition		thermal
				of SO3 and H2SO4,	19278		oxidizer stack
				expressed as 100%	Part 3		
				H2SO4			
throughput	BAAQMD	Y		98,915 long ton/yr for	BAAQMD	P/M	records
	Condition			S1001, S1002, S1003,	Condition		
	19278, ,			S301, S302, S303	19278, Part 6		
	part 6						

Table VII – Ua

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	250, 8505 - 17	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
(H2S,	BAAQMD	N		95% of H2S in	None	N	None
ammonia)	9-1-313.2			refinery fuel gas is			
	and SIP	Y		removed and			
	9-1-313.2			recovered on a			
				refinery-wide basis			
				AND 95% of H2S in			
				process water streams			
				is removed and			
				recovered on a			
				refinery-wide basis			
				AND 95% of			
				ammonia in process			
				water streams is			
				removed			

Table VII - Ua

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
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 19278 Part 4	Y	Visible emissions inspection
Opacity	SIP 6-301	Y		Ringelmann No. 1 for no more than 3 minutes/hour	BAAQMD Condition 19278 Part 4	Y	Visible emissions inspection
FP	BAAQMD 6-1-305	N		Prohibition of nuisance	None	N	None
FP	SIP 6-305	Y		Prohibition of nuisance	None	N	None
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	BAAQMD Condition 19278 Part 5	Y/A	Source test on thermal oxidizer stack
FP	SIP 6-310	Y		0.15 grain/dscf	BAAQMD Condition 19278	Y/	Source test on thermal oxidizer stack
SO3, H2SO4	BAAQMD	N		0.08 grain/dscf	Part 5 BAAQMD Condition	P/A	Source Test
	6-1-330			exhaust concentration	19278		
				of SO3 and H2SO4,	Part 2		
				expressed as 100% H2SO4			
SO3, H2SO4	SIP 6-330	Y		0.08 grain/dscf exhaust concentration	BAAQMD Condition 19278	P/A	Source Test
				of SO3 and H2SO4, expressed as 100% H2SO4	Part 3		
SO2	40 CFR	Y	NA upon	250 ppm at 0% excess	40 CFR	С	CEM on
302	60.104(a)	1	startup of	air, 12-hr rolling	60.105(a)(5)		thermal
	(2)		\$1010	an, 12-in forming average	00.103(a)(3)		oxidizer stack
SO2	40 CFR	Y	Applies	250 ppm at 0% excess	40 CFR	С	CEM on
552	60.102a(f)	1	upon	air, dry, 12-hr rolling	60.106a		thermal
	(1)		startup of	average	<u>55.100a</u>		oxidizer stack
			S1010	-			

Table VII - Ua

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
SO2	40 CFR	Y		250 ppm at 0% excess	40 CFR	С	CEM on
	63.1568(a)			air, 12-hr rolling	63.1572		thermal
	(1)(i)			average			oxidizer stack
throughput	BAAQMD	Y		98,915 long ton/yr for	BAAQMD	P/M	records
	Condition			S1001, S1002, S1003	Condition		
	19278, ,				19278, Part 6		
	part 6						
throughput	BAAQMD	N		98,915 long ton/yr for	BAAQMD	P/M	records
	Condition			S301, S302, S303	Condition		
	22964, Part				22964, Part 4		
	1						
Maintenance	40 CFR	Y		S301-S303 only:	40 CFR	P/E	records
allowance for	60.102a(f)			40 CFR 60.102a(f)(1)	60.102a(f)		
sulfur pit	(3)			shall not apply to the	(3)		
				sulfur pit for 240			
				hours/yr during			
				maintenance			

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

			Future	K111, 51010 - 02	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
			For add	itional requirements for S			<i>.</i> 1
(H2S,	BAAQMD	N		95% of H2S in	BAAQMD	P/A	Source test
ammonia)	9-1-313.2			refinery fuel gas is	Condition		
	and SIP	Y		removed and	23125, part 20		
	9-1-313.2			recovered on a			
				refinery-wide basis			
				AND 95% of H2S in			
				process water streams			
				is removed and			
				recovered on a			
				refinery-wide basis			
				AND 95% of			
				ammonia in process			
				water streams is			
				removed			
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1 for	BAAQMD	P/M	Visible
	0-1-301			no more than 3	Condition		emissions
				minutes/hour	23125, part 26		check
Opacity	SIP 6-301	Y		Ringelmann No. 1 for	BAAQMD	P/M	Visible
	0-301			no more than 3	Condition		emissions
				minutes/hour	23125, part 26		check
FP	BAAQMD 6-1-305	N		Prohibition of	None	N	None
				nuisance			
FP	SIP 6-305	Y		Prohibition of	None	N	None
	0-303			nuisance			
FP	BAAQMD	N		0.15 grain/dscf	BAAQMD	P/A	Source test
	6-1-310				Condition		
					23125, part 20		
FP	SIP	Y		0.15 grain/dscf	BAAQMD	P/A	Source test
	6-310				Condition		
					23125, part 20		

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

			Future	8111,51010-02	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
FP	BAAQMD	N		4.10P ^{0.67} lb/hr, where	BAAQMD	P/A	Source test
	6-1-311			P is process weight,	Condition		
				ton/hr	23125, part 20		
FP	SIP	Y		4.10P ^{0.67} lb/hr, where	BAAQMD	P/A	Source test
	6-311			P is process weight,	Condition		
				ton/hr	23125, part 20		
PM10	BAAQMD	Y		2.5 tons per any	BAAQMD	P/A	Calculations
	Condition			consecutive 12 months	Condition		
	22970, Part			for S45, S434, and	22970, Part		
	A.2.c			S1010 combined	A.4.b.iv		
PM10	BAAQMD	Y		16.3 tons per any	BAAQMD	P/A	Source tests
	Condition			consecutive 12 months	Condition		and
	22970, Part			for S45, S434, and	22970, Part		calculations
	A.6			S1010 at Facility	A.6		
				A0016 and S2 and S3			
				at Facility B7419,			
				combined			
PM10	BAAQMD			3.36 lb/day	None	N	None
	Condition						
	23125, part						
	10b						
PM10	BAAQMD	Y		0.59 tons per any	None	N	None
	Condition			consecutive 12 months			
	23125, part						
	11f						
SO3,	BAAQMD	N		0.08 grain/dscf	BAAQMD	P/A	Source test
H2SO4	6-1-330			exhaust concentration	Condition		
				of SO3 and H2SO4,	23125, part 20		
				expressed as 100%			
				H2SO4			

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
\$465, Molten Sulfur Pit; \$1010 – U235 Sulfur Plant Unit

	5405,10	IOLII	Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO3,	SIP	Y	2400	0.08 grain/dscf	BAAQMD	P/A	Source test
H2SO4	6-330			exhaust concentration	Condition	2,12	
				of SO3 and H2SO4,	23125, part 20		
				expressed as 100%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
				H2SO4			
SAM	BAAQMD	Y		6.01 tons per any	BAAQMD	P/A	Source tests,
	Condition			consecutive 12 months	Condition		and
	22970, Part			for S45, S434, and	22970, Part		calculations
	A.2.f			S1010 combined	A.4.b.ii		
SAM	BAAQMD	Y		38 lb/day for S45,	BAAQMD	P/A	Source tests
	Condition			S434, and S1010 at	Condition		and
	22970, Part			Facility A0016 and S2	22970, Part		calculations
	A.3			at Facility B7419	A.4.b.ii		
				combined			
SAM	BAAQMD	Y		31 lb/day	BAAQMD	P/A	Source test
	Condition				Condition		
	23125, part				23125, part 20		
	10a						
SAM	BAAQMD			5.65 tons per any	BAAQMD	P/A	Source test
	Condition			consecutive 12 months	Condition		
	23125, part				23125, part 20		
	11g						
SO2	BAAQMD	Y		250 ppmv, dry,	BAAQMD	C	CEM
	9-1-307			@ 0% O2	1-520.4 &		
					9-1-502		
SO2	40 CFR	Y		250 ppm at 0% excess	40 CFR	C	CEM on
	60.102a(f)			air, dry, 12-hr rolling	60.106a		thermal
	(1)			average			oxidizer stack
SO2	40 CFR	Y		250 ppm at 0% excess	40 CFR	С	CEM
	63.1568(a)			air, 12-hr rolling	63.1572		
	(1)(i)			average			

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
\$465, Molten Sulfur Pit; \$1010 – U235 Sulfur Plant Unit

	D-105,10	IOLII	Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
SO2	BAAQMD	Y	Date	34.4 tons per any	BAAQMD	P/A	CEMS, source
302	Condition	1		consecutive 12 months	Condition	r/A	tests, and
	22970, Part			for S45, S434, and	22970, Part		calculations
	A.2.b			S1010 combined	A.4.b.i		calculations
SO2		Y				С	CEM
302	BAAQMD Condition	Y		50 ppmvd @ 0% O2,	BAAQMD	C	CEM
				24-hr average	Condition		
	23125, part				23125, part 21		
502	7a	3.7		20.7.	D. A. C. M. D.		CEN
SO2	BAAQMD	Y		29.7 tons per any	BAAQMD	С	CEM
	Condition			consecutive 12 months	Condition		
	23125, part				23125, part 21		
	11g						
O2				None	BAAQMD	С	CEM
					Condition		
					23125, part 21		
CO	BAAQMD	Y		40.72 tons per any	BAAQMD	P/A	CEMS, source
	Condition			consecutive 12 months	Condition		tests, and
	22970, Part			for S45, S434, and	22970, Part		calculations
	A.2.e			S1010 combined	A.4.b.i		
CO	BAAQMD	Y		75 ppmvd @ 7% O2,	BAAQMD	С	CEM
	Condition			1-hr average	Condition		
	23125, part				23125, part 22		
	7b						
CO	BAAQMD			37.9 tons per any	BAAQMD	С	CEM
	Condition			consecutive 12 months	Condition		
	23125, part				23125, part 22		
	11c						
NOx	BAAQMD	Y		13.5 tons per any	BAAQMD	P/A	CEMS, source
	Condition			consecutive 12 months	Condition		tests, and
	22970, Part			for S45, S434, and	22970, Part		calculations
	A.2.a			S1010 combined	A.4.b.ii		

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

	D405, IV	IOLII	Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
NOx	BAAQMD	Y	Dute	42.2 ppmv d @ 7%	BAAQMD	P/A	Source test
TOX	Condition	1		O2, 1-hr average	Condition	1/11	Source test
	23125, part			02, 1 in average	23125, part 20		
	7c						
NOx	BAAQMD	Y		8.0 lb/hr	BAAQMD	P/A	Source test
	Condition			V. V	Condition	-,	200000
	23125, part				23125, part 20		
	9a						
NOx	BAAQMD			11.2 tons per any	BAAQMD	P/A	Source test
	Condition			consecutive 12 months	Condition 23125, part 20		
	23125, part				23123, part 20		
	11d						
NH3	BAAQMD	N		6.35 tons per any	BAAQMD	P/A	Source tests
	Condition			consecutive 12 months	Condition		and
	22970, Part			for S45, S434, and	22970, Part A.4.b.iii		calculations
	A.2.g			S1010 combined	71.1.0.111		
NH3	BAAQMD	N		12.5 ppmv @ 7% O2,	BAAQMD	P/A	Source test
	Condition			24-hr basis	Condition 23125, part 20		
	23125, part				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	8a						
NH3	BAAQMD			0.88 lb/hr	BAAQMD	P/A	Source test
	Condition				Condition 23125, part 20		
	23125, part				7 1		
	9c						
NH3	BAAQMD			3.85 tons per any	BAAQMD Condition	P/A	Source test
	Condition			consecutive 12 months	23125, part 20		
	23125, part						
	11b						
POC	BAAQMD	Y		1.9 tons per any	BAAQMD	P/A	CEMS, source
	Condition			consecutive 12 months	Condition 22970, Part		tests, and
	22970, Part			for S45, S434, and	A.4.b.iv		calculations
	A.2.d			S1010 combined			

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
S465, MOLTEN SULFUR PIT; S1010 – U235 SULFUR PLANT UNIT

			Future	K111,51010 C2	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD			0.43 tons per any	None	N	None
	Condition			consecutive 12 months			
	23125, part						
	11e						
H2S	BAAQMD	N		2.5 ppmv @ 0% O2	BAAQMD	P/A	Source test
	Condition				Condition 23125, part 20		
	23125, part				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	8b						
H2S	BAAQMD	N		2.5 ppmv @ 0% O2	BAAQMD	С	Temperature
	Condition				Condition 23125, parts		monitoring
	23125, part				14-18		
	8b						
H2S	BAAQMD			0.23 lb/hr	BAAQMD	P/A	Source test
	Condition				Condition 23125, part 20		
	23125, part				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	9b						
H2S	BAAQMD			0.975 tons per any	BAAQMD Condition	C	Temperature
	Condition			consecutive 12 months	23125, parts		monitoring
	23125, part				14-18		
	11h						
H2S	BAAQMD			10 tons per any	BAAQMD Condition	C	Temperature
	Condition			consecutive 12 months	23125, parts		monitoring
	23125, part				14-18		
	11k						
Total	BAAQMD			10 tons per any	BAAQMD Condition	P/A	Source test
Reduced	Condition			consecutive 12 months	23125, part 20		
Sulfur	23125, part				_		
	11i						
Total	BAAQMD			2.2 lb/hr	BAAQMD Condition	P/A	Source test
Reduced	Condition				23125, part 20		
Sulfur	23125, part						
	13						

686

Renewal Date: September 1, 2011

Table VII – Ub

Applicable Limits and Compliance Monitoring Requirements
\$465, Molten Sulfur Pit; \$1010 – U235 Sulfur Plant Unit

	5 100,10	IOLII	Future	K F11; S1010 – 02	Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Reduced	BAAQMD			10 tons per any	BAAQMD	P/A	Source test
Sulfur	Condition			consecutive 12 months	Condition 23125, part 20		
Com-	23125, part				23123, part 20		
pounds	11j						
Reduced	BAAQMD			2.2 lb/hr	BAAQMD	P/A	Source test
Sulfur	Condition				Condition 23125, part 20		
Com-	23125, part				, F		
pounds	13						
throughput	BAAQMD	N		73,000 long tons/yr	BAAQMD	P/M	records
	Condition			(S465 only)	Condition		
	22964, part				22964, part 5		
	2						
throughput	BAAQMD	N		200 long ton/day	BAAQMD	P/D	Records
	Condition			(S1010 only)	Condition		
	23125, part				23125, part 4		
	1						
Tempe-	BAAQMD	Y		TBD	BAAQMD	С	Temperature
rature	Condition				Condition		monitoring
	23125, part				23125, parts		
	13				14-18		
Mainte-	40 CFR	Y		S465 only:	40 CFR	P/E	records
nance	60.102a(f)			40 CFR 60.102a(f)(1)	60.102a(f)		
allowance	(3)			shall not apply to the	(3)		
for sulfur				sulfur pit for 240			
pit				hours/yr during			
				maintenance			

Table VII – Uc Applicable Limits and Compliance Monitoring Requirements S503, SULFUR STORAGE TANK; S504, SULFUR DEGASSING UNIT; AND S505, SULFUR LOADING RACK

MID 5000, SOLI ON LONDING MICK											
		Future		Monitoring	Monitoring						
Citation of	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type					
BAAQMD	N		Ringelmann No. 1 for no	None	N	None					
			more than 3 minutes/hour								
SIP	Y		Ringelmann No. 1 for no	None	N	None					
6-301			more than 3 minutes/hour								
BAAQMD	N		Prohibition of nuisance	None	N	None					
6-1-305											
SIP	Y		Prohibition of nuisance	None	N	None					
6-305											
BAAQMD	N		0.15 grain/dscf	None	N	None					
6-1-310											
SIP	Y		0.15 grain/dscf	None	N	None					
6-310											
BAAQMD	N		4.10P ^{0.67} lb/hr, where P is	None	N	None					
6-1-311			process weight, ton/hr								
SIP	Y		4.10P ^{0.67} lb/hr, where P is	None	N	None					
6-311			process weight, ton/hr								
BAAQMD	N		471 long ton/day	BAAQMD	P/D	records					
			(S503 only)								
23125, part 2				23125, part 24							
	Limit BAAQMD 6-1-301 SIP 6-301 BAAQMD 6-1-305 SIP 6-305 BAAQMD 6-1-310 SIP 6-310 BAAQMD 6-1-311 SIP 6-311 BAAQMD Condition 23125, part	Limit Y/N BAAQMD N 6-1-301 Y 6-301 Y BAAQMD N 6-1-305 Y 6-305 Y BAAQMD N 6-1-310 N 6-310 N 6-311 SIP 6-311 Y 6-311 SIP Condition 23125, part	Citation of Limit FE Y/N Effective Date BAAQMD 6-1-301 N 6-1-301 SIP 6-301 Y 6-301 BAAQMD N 6-1-305 N 6-305 BAAQMD N 6-1-310 N 6-310 BAAQMD N 6-1-311 N 6-311 BAAQMD Condition 23125, part N 6-312	Citation of LimitFE Y/NEffective DateLimitBAAQMD 	Citation of Limit FE Limit Effective V/N Limit Requirement Citation BAAQMD N Ringelmann No. 1 for no more than 3 minutes/hour None SIP G-301 Y Ringelmann No. 1 for no more than 3 minutes/hour None BAAQMD N Prohibition of nuisance None 6-1-305 Prohibition of nuisance None 8AAQMD N 0.15 grain/dscf None 6-1-310 None None None 8AAQMD N 4.10P ^{0.67} lb/hr, where P is process weight, ton/hr None BAAQMD N 4.10P ^{0.67} lb/hr, where P is process weight, ton/hr None BAAQMD N 471 long ton/day (S503 only) BAAQMD Condition 23125, part 24	Citation of Limit FE Limit Effective Date Limit Requirement Citation Frequency (P/C/N) BAAQMD N 6-1-301 N 8 Ringelmann No. 1 for no more than 3 minutes/hour None None SIP 6-301 Y 8 Ringelmann No. 1 for no more than 3 minutes/hour None None BAAQMD N Prohibition of nuisance None None None SIP 6-305 Y Prohibition of nuisance None None BAAQMD N O.15 grain/dscf None None None SIP 4-310 Y O.15 grain/dscf None None BAAQMD N O.15 grain/dscf None None None BAAQMD O.15 grain/dscf None None None BAAQMD O.15 grain/dscf None None <					

Table VII – V
Applicable Limits and Compliance Monitoring Requirements
S370 – ISOMERIZATION UNIT 228

	S5/U – 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	BAAQMD	P/E	Records					
	8-10-301			from process vessel	8-10-501 &							
				depressurization is required	8-10-502							
				until pressure is reduced to								
				less than 1000 mm Hg (4.6								
				psig)								
POC	SIP	Y		abatement of emissions	SIP	P/E	Records					
	8-10-301			from process vessel	8-10-401.2							
				depressurization is required								
				until pressure is reduced to								
				less than 1000 mm Hg (4.6								
				psig)								
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											

689

Renewal Date: September 1, 2011

 $Table\ VII-W$ Applicable Limits and Compliance Monitoring Requirements $S380-A \text{CTIVATED}\ CARBON\ SILO\ (P\text{-}204)$

	-		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
	6-1-301			1 for more than 3	Condition		Drop
				minutes/hr	18251, Part 2b		
FP	BAAQMD	Y		Prohibition of nuisance	BAAQMD	P/Q	Pressure
	6-1-305				Condition		Drop
					18251, Part 2b		
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/Q	Pressure
	6-1-310			0.15 grains per dscf of gas	Condition		Drop
				volume	18251, Part 2b		
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/Q	Pressure
	6-1-311			rate specified in rule	Condition		Drop
					18251, Part 2b		
throughput	BAAQMD	Y		3,942 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)

		υ.) DII	TOMACEOUS EARTH S	TEO (I ZIT)		1
Type of			Future		Monitoring	Monitoring	
Limit	Citation	FE	Effective		Requirement	Frequency	Monitoring
	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Opacity	BAAQMD	Y		Ringelmann No. less than	BAAQMD	P/E	Pressure
	6-1-301			1 for more than 3	Condition	(baghouse	Drop
				minutes/hr	18251, Part 2c	operation)	
FP	BAAQMD	Y		Prohibition of nuisance	BAAQMD	P/E	Pressure
	6-1-305				Condition	(baghouse	Drop
					18251, Part 2c	operation)	
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure
	6-1-310			0.15 grains per dscf of gas	Condition	(baghouse	Drop
				volume	18251, Part 2c	operation)	
FP	BAAQMD	Y		No emissions from source >	BAAQMD	P/E	Pressure
	6-1-311			rate specified in rule	Condition	(baghouse	Drop
					18251, Part 2c	operation)	
throughput	BAAQMD	Y		1,840 ton/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989,				20989, Part A		
	Part A						

Table VII – 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						

691

Renewal Date: September 1, 2011

 $\begin{array}{c} \textbf{Table VII-AB} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{COMPONENTS} \end{array}$

			Future	COMPONENTS	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	N		Connection leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	8-18-304				8-18-401.2e		
POC	SIP	Y		Connection leak ≤ 100 ppm	BAAQMD	P/Q	Inspection
	8-18-304				8-18-401.2e		
POC	BAAQMD	Y		Pressure relief valve leak \leq	BAAQMD	P/Q	Inspection
	8-18-305			500 ppm	8-18-401.2		
POC	BAAQMD	Y		Valve, pressure relief,	BAAQMD	P/quarterly	report
	8-18-306.1			pump or compressor must	8-18-502.4		
				be repaired within 5 years			
				or at the next scheduled			
				turnaround			
POC	BAAQMD	Y		Awaiting repair	BAAQMD	P/within 24	Inspection
	8-18-306.2			Valves $\leq 0.5\%$	8-18-401.5	hours	
				Pressure Relief ≤ 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%			

 $\begin{tabular}{ll} Table\ VII-AB \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ COMPONENTS \end{tabular}$

			Future	COMPONENTS	Monitoring	Monitorina	
Т	C'tation of	топо			Monitoring	Monitoring	Manitanina
Type of	Citation of	FE	Effective	** • •	Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
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			
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.			
	ı		l	60; Subpart VV			
POC	40 CFR	Y		Pump leak: 10,000 ppm	40 CFR	P/M	Measure for
	60.482-2			1 11	60.482-2		leaks
	(b)(1)				(a)(1)		
POC	40 CFR	Y		Pump leak Indicated by	40 CFR	P/W	Visual
	60.482-2			dripping liquid	60.482-2		Inspection
	(b)(2)			11 0 1	(a)(2)		1
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-2(e)			emissions": 500 ppm	60.482-		leaks
					2(e)(3)		
POC	40 CFR	Y		Pump leak: 10,000 ppm	40 CFR	P/5 days	Visual,
	60.482-8				60.482-8 (a)		audible,
	(b)						olfactory
							Inspection;
							Measure for
							leaks
POC	40 CFR	Y		Valve leak: 10,000 ppm	40 CFR	P/M	Measure for
	60.482-7(b)				60.482-7(a)		leaks

 $\begin{tabular}{ll} Table\ VII-AB \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ COMPONENTS \end{tabular}$

			Future	COMPONENTS	Monitoring	Manitanina	
ТС	C'4-4'	ы	Effective		Requirement	Monitoring	N
Type of	Citation of	FE		T	-	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation 40 CFR	(P/C/N)	Туре
POC	40 CFR	Y		Valve leak: 10,000 ppm; 2		P/Q	Measure for
	60.482-7(b)			successive months w/o	60.482-7(c)		leaks
				leaking			
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-7(f)			emissions": 500 ppm	60.482-7		leaks
					(f)(3)		
POC	40 CFR	Y		Pumps and valves in heavy	40 CFR	P/E	Visible,
	60.482-8(a)			liquid service, Pressure	60.482-8(a)		Audible, or
				Relief devices (light or			olfactory
				heavy liquid), Flanges,			Inspection
				Connectors leak shall be			
				measured for leak in 5 days			
				if detected by inspection			
POC	40 CFR	Y		Pressure Relief devices	40 CFR	P/E	Measure for
	60.482-8(b)			(liquid), Flanges,	60.482-8(a)		leaks
				Connectors leak: 10,000			
				ppm			
POC	40 CFR	Y		Individual valve that	same as limit	P/Q	Measure for
100	60.483 and	1		measures <100 ppm for 5	same as min	1/Q	leaks
				consecutive quarters may be			icaks
	BAAQMD			monitored annually, if in a		P/A	
	8-18-404.1			process unit with 5		P/A	
	0-10-404.1			consecutive quarters <2%			
				valves leaking: 10,000 ppm.			
				60; Subpart VVa			
POC	40 CFR	Y		Pump leak < 2,000 ppm	40 CFR	P/M	Measure for
	60.482-2a				60.482-2a		leaks
	(b)(1)				(a)(1)		
POC	40 CFR	Y		Pump leak Indicated by	40 CFR	P/W	Visual
	60.482-2a			dripping liquid	60.482-2a		Inspection
	(b)(2)				(a)(2)		_
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
	60.482-2a			emissions" < 500 ppm	60.482-		leaks
	(e)				2(e)(3)		

694

 $\begin{tabular}{ll} Table\ VII-AB \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ COMPONENTS \end{tabular}$

	1			COMPONENTS			
			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR 60.482-3a (f)	Y		Leak is failure of seal or barrier system	40 CFR 60.482-3a(d)- (f)	С	Sensor for detection of seal or barrier system
POC	40 CFR 60.482-7a (b)	Y		Valve leak > 500 ppm	40 CFR 60.482-7a (a)(1)	P/M unless 2 successive months w/o leak	failure Measure for leaks
POC	40 CFR 60.482-7a (c)(1)(i)	Y		Valve leak < 500 ppm; 2 successive months w/o leaking	40 CFR 60.482-7(c)	P/Q unless leak found, then monthly monitoring	Measure for leaks
POC	40 CFR 60.482-7(f)	Y		Designated "No detectable emissions" < 500 ppm	40 CFR 60.482-7 (f)(3)	P/A	Measure for leaks
POC	40 CFR 60.482- 8a(a)	Y		Pumps and valves in heavy liquid service, Pressure Relief devices (light or heavy liquid), Flanges, Connectors leak shall be measured for leak in 5 days if detected by inspection	40 CFR 60.482-8a(a)	P/E	Visible, Audible, or olfactory Inspection
POC	40 CFR 60.482- 8a(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak > 10,000 ppm	40 CFR 60.482-8a(a)	P/E	Measure for leaks
				61; Subpart FF			
Benzene	40 CFR 61.345(a) (1)(i)	Y		No detectable emissions, < 500 ppmv	40 CFR 61.345(a)(1) (i)	P/A	Method 21
Benzene	40 CFR 61.345(b)	Y		Visual defects	40 CFR 61.345(b)	P/Q	visual

	COMPONENTS												
			Future		Monitoring	Monitoring							
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type						
Benzene	40 CFR	Y		No detectable emissions, <	40 CFR	P/A	Method 21						
	61.346(a)			500 ppmv	61.346(a)(1)								
	(1)(i)(A)				(i)(A)								
Benzene	40 CFR	Y		Visual defects	40 CFR	P/Q	visual						
	61.346(a)				61.346(a)(2)								
	(2)												
Benzene	40 CFR	Y		No detectable emissions, <	40 CFR	P/A	Method 21						
	61.347(a)			500 ppmv	61.347(a)(1)								
	(1)(i)				(i)								
Benzene	40 CFR	Y		Visual defects	40 CFR	P/Q	visual						
	61.347(b)				61.347(b)								
	II	Т	Т	BAAQMD Condition 23725									
POC	Condition	Y		Valve leak for CFEP ≤ 100	Condition	P/Q	Inspection						
	23725, part			ppm	23725, part 4								
POG	1b Condition	3.7		D 1 1 1	Condition	D/O	T						
POC	23725, part	Y		Pump and compressor leak	23725, part 4	P/Q	Inspection						
	1b			for CFEP ≤ 100 ppm	23723, part 1								
POC	BAAQMD	N		Connection leak ≤ 100 ppm	BAAQMD	P/A	Inspection						
	8-18-304			_ 11	8-18-401.2e		1						
POC	Condition	Y		Emissions from CFEP	None								
100	23725, part	_		components < 6.1 tons per	Deter-								
	2			1	mination								
				year	made once								
					upon								
					completion								

Table VII – BB.1 Applicable Limits and Compliance Monitoring Requirements NSPS KB LOW VAPOR PRESSURE PERMITTED WASTEWATER SLUDGE TANKS WITH VAPOR RECOVERY TO FUEL GAS

S433 (F224 - MOSC)

	II			5433 (F224 - MOSC)								
	Emission		Future		Monitoring	Monitoring						
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
	BAAOMD R	Regula	tion 8, Rule	5 - Organic Compounds - ST	ORAGE OF O	RGANIC LIC						
	Exempt per 8-5-117. Low vapor pressure											
POC	BAAQMD	Y	•	Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure					
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination					
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material					
	20773, Part 1				20773, Part 2		change					
	BAAQMD 8	, Rule	8 – Organi	c Compounds – Wastewater	(Oil Water Sep	arators)						
			_	_	_							
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 weight.			25 or 25A					
NONE		-		SHAPS for Petroleum Refine								
	Exempt	per 63	.640(d)(5).	Emission point routed to fue	l gas system.							
	40 CFR 60, S	Subpar	rt Kb – NSI	PS for VOL Storage Vessels								
	MONITORI	NG F	OR RECOI	RDKEEPING ONLY								
VOC	40 CFR	Y		True vapor pressure less	40 CFR	periodic	Record					
	60.110b(c)			than 3.5 kPa.	60.116b	initially and						
					(b)	upon change						
						of service						
	BAAQMD PERMIT CONDITIONS											
throughput	BAAQMD	Y		138,700 bbl/yr	BAAQMD	P/W	records					
	Condition				Condition							
	7353, Part 4				7353, Part 5							
	, 333, 1 art 4	1		l	, 555, ruit 5							

Table VII – BB.2 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS SUBJECT TO MACT RECORDKEEPING S118 (TANK 163)

	Emission		Future		Monitoring	Monitoring							
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
	BAAQMD R	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
	Exempt per	Exempt per 8-5-117. Low vapor pressure											
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor						
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		pressure						
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		determination						
	20773, Part 1				20773, Part 2		upon material						
							change						
	40 CFR 63, 8	Subpar	t CC – NE	SHAP for Petroleum Refiner	ies								
	MONITORIN	NG FO	R RECORE	KEEPING ONLY									
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records						
	63.641			organic HAP in stored liquid	63.655(i)(1)	initially and							
				for Group 2 determination.	(iv)	upon change							
						in service							
	BAAQMD P	PERM	T CONDI	ΓIONS									
throughput	BAAQMD	Y		S118: 900 bbl/12-month	BAAQMD	P/M	Records						
	Condition			period	Condition								
	22963, Part				22963, part 5								
	2c												
Vapor	BAAQMD			S118: < 0.5 psia	BAAQMD	P/E	Analysis and						
pressure	Condition				Condition		records						
	22963, Part				20773								
	1c												

Table VII – BB.3
Applicable Limits and Compliance Monitoring Requirements
Low Vapor Pressure Permitted Tanks < 10,000 Gallons
S194 (Tank 306)

	Emission		Future		Monitoring	Monitoring					
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring				
Limit	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	BAAQMD	Y		Exemption from Regulation 8,	BAAQMD	P/E	Vapor				
	8-5-117 &			Rule 5 when true vapor pressure	2-6-409.2 &		pressure				
	Condition			is less than 25.8 mm Hg (0.5	Condition		determination				
	20773, Part 1			psia).	20773, Part 2		upon material				
	20773, 1 ant 1						change				
NONE	40 CFR 63, 8	Subpar	rt CC – NE	SHAPS for Petroleum Refine	eries						
	Exempt per	63.641	storage ves	ssel definition. Size less than	or equal to 10,0	000 gallons.					
	BAAQMD F	PERM	IT CONDIT	TIONS							
throughput	BAAQMD	N		S194: 100 bbl/yr	BAAQMD	P/M	Records				
	Condition				Condition						
	20989, Part				20989, Part A						
	A										

Table VII – BB.4 Applicable Limits and Compliance Monitoring Requirements LOW VAPOR PRESSURE PERMITTED TANKS VENTED TO FUEL GAS

S173 (Tank 280), S174 (Tanks 281)

	9173 (Tank 200), 9174 (Tanks 201)												
	Emission		Future		Monitoring	Monitoring							
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
Tanks S173	Tanks S173 and S174 will be subject to the requirements in Table VII-BB.21 until they are controlled by A7, Odor												
Abatement S	Abatement System. S173 and S174 will be subject to the requirements in Table VII-4 when controlled by A7.												
	BAAQMD I	Regulat	tion 8, Rule	5 - Organic Compounds - ST	ORAGE OF C	RGANIC LIC	QUIDS						
	Exempt per	8-5-11	7. Low vap	or pressure									
POC	BAAQMD	Y		Exemption from Regulation 8,	BAAQMD	P/E	Vapor						
	8-5-117 &			Rule 5 when true vapor pressure	2-6-409.2 &		pressure						
	Condition			is less than 25.8 mm Hg (0.5	Condition		determination						
	20773, Part 1			psia).	20773, Part 2		upon material						
							change						
NONE	_			or Petroleum Refineries									
	Exempt per	63.640	$(\mathbf{d})(5)$. Emi	ission point routed to fuel gas	s system.								
	BAAQMD I	PERM	IT CONDIT	TIONS									
VOC	Condition	Y	7/5/09	Applies to S173	Condition	C	Pressure						
	#23724,				#23724, part		monitoring						
	part 4b			1.8 inches of water	3								
VOC	Condition	Y	7/5/09	Applies to S174	Condition	C	Pressure						
	#23724,				#23724, part		monitoring						
	part 4b			1.8 inches of water	3								

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)

	5173	(IA	NK SUI),	5190 (TANK 502), 536	O (TANK 2/)	U/T 203)	1
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAOMD R	egulat	ion 8, Rule	5 - Organic Compounds - ST	ORAGE OF O	RGANIC LIO	UIDS
	Exempt per 8	_		= =			
POC	BAAQMD	Y		Exemption from Regulation 8,	BAAQMD	P/E	Vapor pressure
	8-5-117 &			Rule 5 when true vapor pressure	2-6-409.2 &		determination
	Condition			is less than 25.8 mm Hg (0.5	Condition		upon material
	20773, Part 1			psia).	20773, Part 2		change
	BAAQMD 8,	Rule	8 – Organi	c Compounds – Wastewater	(Oil Water Sepa	arators)	
				1	m	T	
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	periodic	visual
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection
						semi-annually	
	1	-		S for VOL Storage Vessels a			
	1	ubpai	rt CC – Nat	ional Emission Standards for	r Hazardous Ai	r Pollutants for	Petroleum
	Refineries						
	RECORDKE	EPIN	G ONLY				
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record
pressure	63.640(n)(1)			than 3.5 kPa.	63.640(n)(8)		
	60.110b(c)				60.116b(b)		
Vapor		Y		TVP exceedances (> 5.2	40 CFR	periodic	Notification
pressure				kPa).	63.640(n)(8)	within 30 days	
					60.116b(d)	of exceedance	
	BAAQMD Pl	ERM	T CONDIT	TIONS			
throughput	BAAQMD	Y		S195, S196, S388:	BAAQMD	P/M	Records
	Condition			525,600 bbl/yr	Condition		
	20989, Part				20989, Part A		
	A				,		
	11	<u> </u>			<u> </u>		

Table VII – BB.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)

_	1	1112 10		(1ANK 110), 5442 (1A		· ·	
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 I	Regula	tion 8, Rule	5, Organic Compounds - STO	ORAGE OF O	RGANIC LIQU	IDS
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING-ROOF TA	ANKS	
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	<u>periodic</u>	records
	8-5-301 &			true vapor pressure	8-5-501.1 &	initially and	
	SIP 8-5-301				SIP 8-5-501.1	upon change	
						of service	
VOC	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	P/Q until	Method 21
	8-5-304.6.1			requirements	8-5-412	repaired	portable
							hydrocarbon
							detector
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement
	8-5-320 &			standards; includes gasketed	8-5-401.2 &		and visual
	SIP 8-5-320			covers	SIP 8-5-401.2		inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD	P/SA and	Seal inspection
	8-5-321 &			includes gap criteria	8-5-401.1 &	every time a	
	SIP 8-5-321				SIP 8-5-401.1	seal is replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal inspection
	8-5-322 &			standards; includes gap	8-5-401.1 &	every time a	
	SIP 8-5-322			criteria	SIP 8-5-401.1	seal is replaced	
VOC	BAAQMD	N		Residual organic	BAAQMD	P/each time	Method 21
	8-5-328.1			concentration of < 10,000	8-5-328.1	emptied &	portable
				ppm as methane after		degassed;	hydrocarbon
				degassing		4 consecutive	detector
						measurements	
						at 15 minute	
						intervals	
VOC	SIP	Y		Concentration of < 10,000	SIP	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records
				replacement	8-5-501.2	after each tank	
						seal	
						replacement	

702 Renewal Date: September 1, 2011

Table VII – BB.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)

Type of	Emission		Future	(1711/1110), 5112 (171	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
		l .		PS for VOL Storage Vessels		,	VI
	1	-		SHAPS for Petroleum Refine	ries		
		_		G FOR EXTERNAL FLOAT		NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.640			standards; includes gasketed	63.640(n)(8),	initially & each	inspection
	(n)(1),			covers	60.113b	time emptied &	
	60.112b				(b)(6)	degassed	
	(a)(2)(ii)						
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	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)		
	(b)(4)(i)						
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),			criteria	60.113b	annually	inspection
	60.113b				(b)(1)-(b)(3)		
	(b)(4)(ii)						
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	Records
	63.640			rue vapor pressure	63.640(n)(8),	upon change of	
	(n)(1),				60.116b	service	
	60.116b				(c) & (e)		
N.C.C	(c)	7.7		0.1:	40 CEP		D 1
VOC		Y		Seal inspection records for	40 CFR	<u>periodic</u>	Records
				report in 60.115b(b)(2)	63.640(n)(8),	For each gap	
VOC		37		Turnetinu u (C. 1	60.115b(b)(3)	measurement	Danie
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	
VOC		Y		Inspection report for non-	40 CFR	measurement	Report
VOC		1		compliant seals	63.640(n)(8),	periodic Within 30 days	кероп
				Compilant sears	60.115b(b)(4)	of seal	
					00.1150(0)(4)	inspection	
	II	l			1	mspection	

Table VII – BB.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)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD F	PERM	IT CONDIT	CIONS			
The following	g applies to	S439 o	nly				
throughput	BAAQMD	Y		3,650,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12124, Part				12124, Part 3		
	1						
The following	g applies to	S440 o	nly				
throughput	BAAQMD	Y		3,600,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12125, Part				12125, Part 3		
	1						
The following	g applies to	S442 o	nly				
throughput	BAAQMD	Y		2,740,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12127, Part				12127, Part 3		
	1						
The following	g applies to	S444 o	nly				
throughput	BAAQMD	Y		4,380,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12129, Part				12129, Part 3		
	1						

Table VII – BB.8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

Type of	Emission		Future	4), S102 (TANK 105), S	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
Lillit	-			T T	_		_
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
		_		5, Organic Compounds - STO			JIDS
			NITORING	FOR EXTERNAL FLOATI	1	1	I
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD &	<u>periodic</u>	records
	8-5-301			true vapor pressure	SIP	initially and	
					8-5-501.1	upon change	
VOC	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	of service P/Q until	Method 21
VOC	8-5-304.6.1	IN		requirements	8-5-412	repaired	portable
	8-3-304.0.1			requirements	0-3-412	repaired	hydrocarbon
							detector
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD &	P/SA	Measurement
	& SIP			standards; includes gasketed	SIP		and visual
	8-5-320			covers	8-5-401.2		inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD &	P/SA and	Seal
	& SIP			includes gap criteria	SIP	every time a	inspection
	8-5-321				8-5-401.1	seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD &	P/SA and	Seal
	& SIP			standards; includes gap	SIP	every time a	inspection
	8-5-322			criteria	8-5-401.1	seal is	
MOG	DAAOMD	N.T.		D '1 1 '	DA A OME	replaced	36.1.101
VOC	BAAQMD	N		Residual organic concentration of < 10,000	BAAQMD 8-5-328.1	P/each time	Method 21
	8-5-328.1			ppm as methane after	6-3-326.1	emptied & degassed;	portable hydrocarbon
				degassing		4 consecutive	detector
				dogussing		measurement	detector
						s at 15	
						minute	
						intervals	
VOC	SIP	Y		Concentration of < 10,000	SIP	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
NO.C		37		D 1 0 1 1	DAACTE.	degassed	
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records
				replacement	8-5-501.2	after each tank seal	
						replacement	
	11	<u> </u>	l		1	repracement	

Table VII – BB.8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

S101 (TANK 104), S102 (TANK 105), S106 (TANK 130)												
Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре					
The followi	ing apply to Si	106 on	ly									
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records					
VOC	SIP 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	SIP 8-5-403	P/SA	visual inspection					
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector					
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector					
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)					
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector					
The followi	ing apply to Si			8 – Organic Compounds – W	astewater (Oil	Water Separat	tors)					
VOC	BAAQMD 8-8-302.2 8-8-302.2.1	Y		Primary seal gap criteria	BAAQMD 8-8-302.2.3	periodic initially and every 5 year						
VOC	BAAQMD 8-8-302.2 8-8-302.2.2	Y		Secondary and wiper seal gap criteria	BAAQMD 8-8-302.2.3	periodic initially and every 5 year						

Renewal Date: September 1, 2011

Table VII – BB.8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

	<u>.</u>	101 (I AINK IU	4), S102 (TANK 105), S	· ·	130)	
Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		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	Subpar	t CC – NES	SHAPS for Petroleum Refiner	ries	I	·
	1	-		EMENTS FOR GROUP 2 W		SOURCES	
	40 CFR 60, S	Subpar	t Kb – NSF	S for VOL Storage Vessels			
	40 CFR 60, S	Subpar	t QQQ – V	OC Emissions from Petroleur	m Refinery Was	stewater System	ms
	40 CFR 61 S	ubpar	t FF – NES	HAPS for Benzene Waste Sou	irces		
	LIMITS AN	D MO	NITORING	FOR EXTERNAL FLOATI	NG ROOF TA	NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	60.692-3(d)			standards; includes gasketed	60.692-3(d)	initially &	inspection
	61.351(a)(2)			covers	60.113b	each time	
	60.112b				(b)(6)	emptied &	
	(a)(2)(ii)					degassed	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement
	60.692-3(d)			includes gap criteria	60.692-3(d)	initially & at	and visual
	61.351(a)(2)				60.113b	5 yr intervals	inspection
	60.113b				(b)(1)-(b)(3)		
	(b)(4)(i)						
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement
	60.692-3(d)			standards; includes gap	60.692-3(d)	initially &	and visual
	61.351(a)(2)			criteria	60.113b	annually	inspection
	60.113b				(b)(1)-(b)(3)		
MOG	(b)(4)(ii)	3.7		D 1 CF 1 4 1 1	40 CED		D 1
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	Records
	60.692-3(d) 60.116b			true vapor pressure	60.692-3(d) 60.116b	upon change of service	
	(c)				(c) & (e)	of service	
VOC	(c)	Y		Seal inspection records for	40 CFR	periodic	Records
VOC		1		report in 60.115b(b)(2)	60.692-3(d)	For each gap	Recolus
				report in 00.1130(b)(2)	61.356(k)	measurement	
					60.115b(b)(3)	measurement	
VOC		Y		Inspection report for seal	40 CFR	periodic	Report
100		1		gap measurements	60.692-3(d)	Within 60	кероп
				Sup measurements	61.357(f)	days of seal	
					60.115b(b)(2)	gap	
						measurement	

Table VII – BB.8

Applicable Limits and Compliance Monitoring Requirements

NSPS KB ZERO GAP EXTERNAL FLOATING ROOF STORMWATER EQUALIZATION TANKS

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

		(T), D102 (TANK 105), D	200 (2121122		
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		Inspection report for non-	40 CFR	<u>periodic</u>	Report
				compliant seals	60.692-3(d)	Within 30	
					61.357(f)	days of seal	
					60.115b(b)(4)	inspection	
	BAAQMD P	PERMI	IT CONDIT	TIONS			
throughput	BAAQMD	Y		S101: 3.68 E 9 gal/yr	BAAQMD	P/M	records
	Condition			S102: 3.68 E 9 gall/yr	Condition		
	20989, Part			S106: 3.68 E 9 gal/yr	20989, Part A		
	A						

Table VII – BB.9A Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK

BUT WITH NSPS KB AND BAAQMD 8-5 FLEXIBILITY S448 (TANK 1007)

				D440 (1711111 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		
	S448 will be	subject	t to the requ	irements of Table IV-BB.9A v	when storing mat	erials subject to	NSPS Kb		
	and BAAQM	ID 8-5.	S448 will b	e subject to the requirements of	of Table IV-BB.	B when storin	g materials		
	exempt from	NSPS	Kb and BA	AAMD 8-5.					
	BAAQMD I	BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS							
	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	& SIP	initially and			
					8-5-501.1 &	upon change			
					Condition	of service			
					12133, Part 4a				
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD &	P/SA	Measurement		
	& SIP			standards; includes gasketed	SIP		and visual		
	8-5-320			covers	8-5-402.3		inspection		

Table VII – BB.9A Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK BUT WITH NSPS KB AND BAAQMD 8-5 FLEXIBILITY

S448 (TANK 1007)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-402.1 & Condition 12133, Part 4c	periodic 10 year intervals and every time a seal is replaced & prior to refilling tank with VOL	Seal inspection
VOC	& SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-402.1	periodic 10 year intervals and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-305, 8-5-321.1, 8-5-322.1	Y		Visual inspection of outer most seal	BAAQMD & SIP 8-5-402.2	P/SA	Visual inspection
VOC	BAAQMD 8-5-320 8-5-321 8-5-321.1 8-5-322.1	N		Floating roof fittings, visual inspection of outer most seal	BAAQMD 8-5-402.2 8-5-402.3 8-5-411.3 (optional)	P/Q (optional)	Fitting inspection; Visual inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurement s at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector

Table VII – BB.9A Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK BUT WITH NSPS KB AND BAAQMD 8-5 FLEXIBILITY

S448 (TANK 1007)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	Citation	Y	Date	Records of tank seal	BAAQMD	periodic	Records
100		1		replacement	8-5-501.2	after each	Records
				replacement	0 0 001.2	tank seal	
						replacement	
	40 CFR 60 S	Subpar	t Kb – NSP	S for VOL Storage Vessels			
		_		SHAPS for Petroleum Refine	ries		
				G FOR INTERNAL FLOAT		NKS	
VOC	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.640			standards; includes gasketed	63.640(n)(8),	initially &	inspection
	(n)(1),			covers	60.113b	each time	
	60.112b				(a)(3) & (4)	emptied &	
	(a)(1)					degassed, at	
						least every 10	
						yr	
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	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)				Condition	degassed &	
					12133, Part 4c	prior to	
						refilling tank with VOL, at	
						least every 10	
						yr	
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	visual
100	63.640	1		standards; no holes or tears	63.640(n)(8),	initially &	inspection
	(n)(1),			standards, no notes of tears	60.113b	each time	mspection
	60.113b				(a)(3) & (4) &	emptied &	
	(a)(1) & (4)				Condition	degassed &	
					12133, Part 4c	prior to	
						refilling tank	
						with VOL, at	
						least every 10	
						yr	
VOC	40 CFR	Y		Internal visual inspection	40 CFR	<u>periodic</u>	visual
	63.640			from viewports of fixed roof	63.640(n)(8),	initially &	inspection
	(n)(1),				60.113b	annually	
	60.113b				(a)(2) & (3)		
	(a)(2)						

Table VII – BB.9A Applicable Limits and Compliance Monitoring Requirements NSPS KB ZERO GAP INTERNAL FLOATING ROOF TANK BUT WITH NSPS KB AND BAAQMD 8-5 FLEXIBILITY

S448 (TANK 1007)

Type of	Emission		Future	,	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	40 CFR	Y		Record of liquid stored and	40 CFR	<u>periodic</u>	records
	63.640			true vapor pressure	63.640(n)(8),	upon change	
	(n)(1),				60.116b	of service	
	60.116b				(c) & (e) &		
	(c)				Condition		
					12133, Part 4a		
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	
VOC		Y		Report of non-compliant	40 CFR	<u>periodic</u>	report
				annual inspection for tanks	63.640(n)(8),	within 30	
				with secondary seals	60.115b(a)(4)	days of tank	
						inspection	
	BAAQMD I	PERM	T CONDIT	TIONS			
throughput	BAAQMD	Y		2,190,000 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	12133, Part				12133, Part 3		
	1						

Table VII – BB.10 Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

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

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 I	BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS									
	LIMITS AN	D MO	NITORING	G FOR INTERNAL FLOAT	ING-ROOF TA	NKS					
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD &	<u>periodic</u>	Records				
	8-5-301			true vapor pressure	SIP	initially and					
					8-5-501.1	upon change					
						of service					

Table VII – BB.10 Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS S126 (Tank 172), S257 (Tank 1004), S258 (Tank 1005)

Type of Emission **Future Monitoring** Monitoring Limit FE **Effective** Limit Requirement Frequency Monitoring Citation Date **Emission Limit** Citation (P/C/N) Y/N **Type** VOC BAAOMD Floating roof fitting closure BAAQMD & P/SA Measurement & SIP standards; includes gasketed SIP and visual 8-5-402.3 8-5-320 covers inspection Primary rim-seal standards; VOC BAAOMD Y BAAQMD & periodic Seal 10 year & SIP includes gap criteria SIP inspection 8-5-321 intervals and 8-5-402.1 every time a seal is replaced VOC BAAOMD Secondary rim-seal BAAOMD & periodic Seal & SIP standards; includes gap SIP 10 year inspection 8-5-322 criteria 8-5-402.1 intervals and every time a seal is replaced VOC BAAQMD Y Visual inspection of outer BAAOMD & P/SA Visual 8-5-305, most seal SIP inspection 8-5-321.1, 8-5-402.2 8-5-322.1 VOC BAAQMD Floating roof fittings, visual BAAQMD P/Q N Fitting 8-5-320 inspection of outer most seal 8-5-402.2 (optional) inspection; 8-5-321 8-5-402.3 Visual 8-5-321.1 8-5-411.3 inspection 8-5-322.1 (optional) VOC BAAQMD N Residual organic BAAQMD P/each time Method 21 8-5-328.1 concentration of < 10,000 8-5-328.1 emptied & portable ppm as methane after degassed; hydrocarbon degassing 4 consecutive detector measurement s at 15 minute intervals VOC SIP Y Concentration of < 10,000 SIP periodic Portable 8-5-328.1.2 ppm as methane after 8-5-503 each time hydrocarbon emptied & detector degassing degassed

Table VII – BB.10 Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS PREVIOUSLY EXTERNAL FLOATING ROOF TANKS

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

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 replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	Records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	SIP 8-5- 303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	SIP 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector

713

Table VII – BB.10 Applicable Limits and Compliance Monitoring Requirements INTERNAL FLOATING ROOF TANKS WITH DOME ROOFS

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

Type of	Emission		Future		Monitoring	Monitoring						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring					
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
	CFR 63, Sub	part (G – SOCMI	HON								
	10 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries											
	40 LIMITS	AND N	IONITOR	ING FOR INTERNAL FLOA	ATING ROOF	ΓANKS						
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 P	ERM	T CONDI	TIONS								
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 – BB.11 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S135 (TANK 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285), S506 (TANK 257)

	11			S506 (TANK 257)		ı						
	Emission		Future		Monitoring	Monitoring						
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring					
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type					
	BAAQMD R	Regula	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS					
	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES											
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records					
	8-5-301			true vapor pressure	8-5-501.1	initially and						
						upon change						
						of service						
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual					
	8-5-303.1			pressure within 10% of	8-5-403		inspection					
				maximum allowable working								
				pressure of the tank, or at least 0.5 psig								
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21					
VOC	8-5-303.2	1		be gas-tight: < 500 ppm (as	8-5-403	1/5/1	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 tank		<u>periodic</u>	portable					
	8-5-328.1.2			<10,000 ppm as methane	8-5-503	each time	hydrocarbon					
				after cleaning		emptied & degassed	detector					
VOC		Y		Determination of	BAAQMD	P/E	look-up table					
100				applicability	8-5-604	172	or sample					
							analysis					
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refiner	ries							
	Exempt per	63.640	(d)(5). Emi	ission point routed to fuel gas	system.							
		-		S for VOL Storage Vessels								
	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	EVICES (NOT	A FLARE)						
VOC	40 CFR	Y		Closed vent system leak	40 CFR	as required in	Method 21					
	60.112b			tightness standards	60.112b	60.485(b)						
	(a)(3)(i)			(< 500 ppmw)	(a)(3)(i)	[Subpart						
						VV]						
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified					
	60.112b			includes 95% efficiency	60.113b		parameter					
	(a)(3)(ii)			requirement	(c)(2)							

Table VII – BB.11 Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S135 (TANK 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285),

S506 (TANK 257)

	11			S506 (TANK 257)	П		
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD P	ERM	T CONDIT	TIONS			
The followi	ng applies to S	135 o	nly				
VOC	BAAQMD	Y		Vapor pressure < 11 psia	BAAQMD	periodic	records
	Condition				8-5-501.1	initially and	
	22518, Part 1					upon change	
						of service	
	BAAQMD	Y		10 E 6 bbl/yr	BAAQMD	P/E	Records
	Condition			•	8-5-501.1		
	22518, Part 3						
The followi	ng applies to S	445 o	nly.				
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	12130, Part 1			gas system			
The followi	ng applies to S	449 o	nly.				
VOC	BAAQMD	Y		Requirement to vent	None	N	None
	Condition			working emissions to fuel			
	11219, Part 1			gas system			
The followi	ng applies to S	360 o	nly.				
throughput	BAAQMD	Y		2.78 E 6 bbl/yr	BAAQMD	P/M	records
	Condition				Condition		
	20989, Part A				20989, Part A		
The followi	ng applies to S	135, 8	360, S445,	and S449.			
	Condition	Y		Applies to S135	Condition	C	Pressure
	#23724, part				#23724, part 3		monitoring
	4a			1.7 inches of water			
	Condition	Y		Applies to S360	Condition	C	Pressure
	#23724, part			1.9 inches of water	#23724, part 3		monitoring
	4a						
	Condition	Y		Applies to S445	Condition	С	Pressure
	#23724, part			1.9 inches of water	#23724, part 3		monitoring
	4a						
	Condition	Y		Applies to S449	Condition	С	Pressure
	#23724, part			1.5 inches of water	#23724, part 3		monitoring
	4a						

Table VII – BB.11

Applicable Limits and Compliance Monitoring Requirements NSPS KB FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S135 (TANK 200), S360 (TANK 223), S445 (TANK 271), S449 (TANK 285), S506 (TANK 257)

Type of	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring
	ng applies to S			Emission Emit	Citation	(170/11)	Туре
VOC	Condition #23724, part 4a	Y		Applies to S506 2.2 inches of water	Condition #23724, part 3	С	Pressure monitoring

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)

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 F	Regulat	ion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	LIMITS AN	D MO	NITORING	G FOR CVS & CONTROL D	DEVICES		
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD & SIP 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
				<u>OK</u>			

717

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)

Type of	Emission		Future	(TAIN 310), 5447 (TAIN	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
23222	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	Citation	1/11	Dute	Emission Emit	BAAQMD	P/Q	Method 21
					8-5-403	(optional)	portable
					8-5-403.1	(11111)	hydrocarbon
					8-5-411.3		detector
					(optional)		
				Pressure vacuum valve	BAAQMD	P/A	Source test
				sealing mechanism must be	8-5-502.1		(Not
				vented to abatement with			required if
				95% efficiency			vented to
							fuel gas)
VOC	SIP	Y		Pressure vacuum valve set	SIP	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	SIP	Y		Pressure vacuum valve must	SIP	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	N		Control device standards;	BAAQMD	N	No
	8-5-306.1			includes 95% efficiency	8-5-502		monitoring
				requirement			required –
							vented to
							fuel gas
							recovery
VOC	CID 9 5 206	Y		C	SIP		system
VOC	SIP 8-5-306	ĭ		Control device standards; includes 95% efficiency	8-5-603.1	not specified	MOP Volume IV
				-	8-3-003.1		ST-4
VOC	BAAQMD	N		requirement Residual organic	BAAQMD	P/each time	Method 21
1 ,00	8-5-328.1	1.4		concentration of < 10,000	8-5-328.1	emptied &	portable
	0-3-320.1			ppm as methane after	0-3-320.1	degassed;	hydrocarbon
				degassing		4 consecutive	detector
				acgassing		measurement	detector
						s at 15	
						minute	
						intervals	
					1	mici vais	

718

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)

5440 (IANK 510), 5447 (IANK 511)									
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	SIP	Y		Organic concentration in	SIP	<u>periodic</u>	portable		
	8-5-328.1.2			tank <10,000 ppm as	8-5-503	each time	hydrocarbon		
				methane after cleaning		emptied &	detector		
						degassed			
NONE	40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries								
	Exempt per 63.640(d)(5). Emission point routed to fuel gas system.								
	40 CFR 60, Subpart Kb – NSPS for VOL Storage Vessels								
	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES (NOT A FLARE)								
VOC	40 CFR	Y		Closed vent system leak	40 CFR	as required in	Method 21		
	60.112b			tightness standards (< 500	60.112b	60.485(b)			
	(a)(3)(i)			ppmw)	(a)(3)(i)	[Subpart VV]			
VOC	40 CFR	Y		Control device standards;	40 CFR	as approved	specified		
	60.112b			includes 95% efficiency	60.113b(c)(2)		parameter		
	(a)(3)(ii)			requirement					
	BAAQMD PERMIT CONDITIONS								
The following applies only to S446									
VOC	BAAQMD	Y		Requirement to vent	None	N	None		
	Condition			working emissions to fuel					
	12131,			gas system					
	Part 1								
The following	The following applies only to S447								
VOC	BAAQMD	Y		Requirement to vent	None	N	None		
	Condition			working emissions to fuel					
	12132, Part			gas system					
	1			540 0 7 000 111					
	1								

Table VII – BB.13

Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155),
S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK
167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150
(TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

52.		1001)		ANK 1002), 5230 (1AN					
	Emission		Future		Monitoring	Monitoring			
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring		
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS								
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records		
	8-5-301			true vapor pressure	8-5-501.1	initially and			
						upon change			
						of service			
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement		
	8-5-320			standards; includes gasketed	8-5-401.2		and visual		
				covers			inspection		
VOC	BAAQMD	N		Applies to list of tanks	BAAQMD	P/Q	Measurement		
	8-5-320.3,			chosen by facility	8-5-401.2 and		and visual		
	8-5-320.4.2,			Floating roof fitting closure	8-5-411		inspection		
	320.4.3,			standards; includes gasketed					
	320.5.2 (gaps			covers					
	only),								
	320.5.3,								
	8-5-320.6								
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	N		Applies to list of tanks	BAAQMD	P/Q and	Seal		
	8-5-321.1,			chosen by facility	8-5-401.1 and	every time a	inspection		
	8-5-321.3.1,			Primary rim-seal standards;	8-5-411	seal is			
	8-5-321.3.2,			includes gap criteria		replaced			
	8-5-321.3.3,								
MOG	8-5-321.4	3.7		A 12 / 12 / C 1	DA A CLED	D/O I	G 1		
VOC	BAAQMD	Y		Applies to list of tanks	BAAQMD	P/Q and	Seal		
	8-5-322			chosen by facility	8-5-401.1 and	every time a	inspection		
				Secondary rim-seal	8-5-411	seal is			
				standards; includes gap		replaced			
				criteria					

Table VII - BB.13

S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

S2	54 (TANK)	<u>1001)</u>	, S255 ('I	TANK 1002), S256 (TAN	K 1003), S2	59 (TANK 1	.006)
Type of	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD 8-5-322.1, 8-5-322.2, 8-5-322.3, 8-5-322.4, 8-5-322.5	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
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
	ng apply only Tank 180), ar			0), S110 (Tank 155), S115 (Ta	ank 160), S123	(Tank 168), S1	28 (Tank
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.1	N		Applies to list of tanks chosen by facility Good operating condition only	BAAQMD 8-5-403 and 8-5-411	P/Q	visual inspection

Renewal Date: September 1, 2011

Table VII - BB.13

Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155),
S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK
167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150
(TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

S23	S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)										
	Emission		Future		Monitoring	Monitoring					
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring				
Limit	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		Applies to list of tanks	BAAQMD	P/Q	Method 21				
	8-5-303.2			chosen by facility	8-5-403		portable				
				Gas tight requirement only	8-5-411		hydrocarbon				
					8-5-503		detector				
					8-5-605						
	40 CFR 61 S	0 CFR 61 Subpart FF – NESHAPS for Benzene Waste Sources									
	40 CFR 60, Subpart Kb – NSPS for VOL Storage Vessels										
	II			G FOR EXTERNAL FLOAT	ING ROOF TA	NKS					
	Applies to S	107 on	<u>ly</u>								
VOC	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual				
	61.351 (a)(2),			standards; includes gasketed	60.113b	initially &	inspection				
	60.112b			covers	(b)(6)	each time					
	(a)(2)(ii)					emptied &					
	40 GED				10.077	degassed					
VOC	40 CFR 61.351	Y		Primary rim-seal standards;	40 CFR 60.113b	<u>periodic</u>	measurement				
	(a)(2),			includes gap criteria	(b)(1)-(b)(3)	initially & at	and visual				
	60.113b				(0)(1)-(0)(3)	5 yr intervals	inspection				
	(b)(4)(i)										
VOC	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement				
	61.351			standards; includes gap	60.113b	initially &	and visual				
	(a)(2), 60.113b			criteria	(b)(1)-(b)(3)	annually	inspection				
	(b)(4)(ii)						-				
	(0)(4)(11)										

Table VII – BB.13

Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155),
S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK
167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150
(TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

S254 (TANK 1001), S255 (TANK 1002), S256 (TANK 1003), S259 (TANK 1006)

Type of	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC		Y		Seal inspection records for report in 60.115b(b)(2)	40 CFR 61.356(k), 60.115b(b)(3)	periodic For each gap measurement	Records
VOC		Y		Inspection report for seal gap measurements	40 CFR 61.357(f), 60.115b(b)(2)	periodic Within 60 days of seal gap measurement	Report
VOC		Y		Inspection report for non- compliant seals	40 CFR 61.357(f), 60.115b(b)(4)	periodic Within 30 days of seal inspection	Report

The following apply only to S107 (Tank 150), S110 (Tank 155), S115 (Tank 160), S123 (Tank 168), S128 (Tank 174), S129 (Tank 180), and S178 (Tank 288)

	40 CFR 63,	40 CFR 63, Subpart G – SOCMI HON 40 CFR 63 Subpart CC – NESHAPS for Petroleum Refineries LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS										
	40 CFR 63 S											
	LIMITS AN											
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)							

Table VII - BB.13

Applicable Limits and Compliance Monitoring Requirements
MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS
S97 (TANK 100), S98 (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155),
S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

52.	JT (IANK.	1001)	, 5233 (1	ANK 1002), S256 (TAN	NK 1003), 32	39 (TANK 1	000)
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		
	BAAQMD I	PERMI	T CONDIT	TIONS	11		
VOC	BAAQMD	Y		S186: 2,231 lb/12-month	BAAQMD	P/M	Records and
	Condition			period	Condition		calculations
	22478,				22478, Part 8		
	Part 3						
throughput	BAAQMD	N		S97: 1.1 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S100: 4.38 E 6 bbl/yr	Condition		
	20989,			S107: 8.76 E 6 bbl/yr	20989, Part A		
	Part 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			
				S177: 2.63 E 7 bbl/yr			
				S254: 7.01 E 7 bbl/yr			
				S255: 7.01 E 7 bbl/yr			
				S256: 7.01 E 7 bbl/yr			
				S259: 7.01 E 7 bbl/yr			
throughput	BAAQMD	Y		S129: 4.6 E 6 bbl/yr	BAAQMD	P/M	records
	Condition			S150: 4.38 E 7 bbl/yr	Condition		
	20989,			S151: 4.38 E 7 bbl/yr	20989, Part A		
	Part A			S178: 3.50 E 7 bbl/yr			

Table VII - BB.13

	Emission	,	Future	ANK 1002), 5230 (1 AN	Monitoring	Monitoring	,
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
throughput	BAAQMD	Y		S123: 3.0 E 6 bbl/yr	BAAQMD	periodic	Records
	Condition				8-5-501.1	initially and	
	22478,					upon change	
	Part 5					of service	
throughput	BAAQMD	Y		S124: 3.0 E 6 bbl/yr	BAAQMD	periodic	Records
	Condition				8-5-501.1	initially and	
	22478,					upon change	
	Part 6					of service	
throughput	BAAQMD	Y		S98: 3.723 E 6 bbl for	BAAQMD	periodic	Records
	Condition			period October through	8-5-501.1	initially and	
	22963,			March		upon change	
	Part 2a					of service	
throughput	BAAQMD	Y		S98: 3.723 E 6 bbl for	BAAQMD	periodic	Records
	Condition			period April through	8-5-501.1	initially and	
	22963,			September		upon change	
	Part 2b					of service	
throughput	BAAQMD	Y		S122: 2.0 E 6 bbl/yr	BAAQMD	periodic	Records
	Condition				8-5-501.1	initially and	
	22963,					upon change	
	Part 2d					of service	
throughput	BAAQMD	Y		S128: 5.1 E 6 bbl/yr	BAAQMD	periodic	Records
	Condition				8-5-501.1	initially and	
	22963,					upon change	
	Part 2e					of service	
Vapor	BAAQMD	Y		S123: \leq 3.0 psia	BAAQMD	periodic	Records
pressure	Condition				8-5-501.1	initially and	
	22478,					upon change	
	Part 1					of service	

Table VII – BB.13

Applicable Limits and Compliance Monitoring Requirements MACT ZERO-GAP EXTERNAL FLOATING-ROOF TANKS S97 (TANK 100), S98 (TANK 101), S100 (TANK 103), S107 (TANK 150), S110 (TANK 155), S111 (TANK 156), S112 (TANK 157), S114 (TANK 159), S115 (TANK 160), S122 (TANK 167), S123 (TANK 168), S124 (TANK 169), S128 (TANK 174), S129 (TANK 180), S150 (TANK 241), S151 (TANK 242), S177 (TANK 287), S178 (TANK 288), S186 (TANK 298),

520	(2111111	1001)	, 5200 (1	ANK 1002), 5250 (1AN	1111000), 52	(2/11/11/2	(000)
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Vapor	BAAQMD	Y		S124: ≤ 11.0 psia	BAAQMD	periodic	Records
pressure	Condition				8-5-501.1	initially and	
	22478,					upon change	
	Part 2					of service	
Vapor	BAAQMD			S98: < 11 psia for period	BAAQMD	periodic	Records
pressure	Condition			October through March	8-5-501.1	initially and	
	22963,					upon change	
	Part 1a					of service	
Vapor	BAAQMD			S98: < 8.5 psia for period	BAAQMD	periodic	Records
pressure	Condition			April through September	8-5-501.1	initially and	
	22963,					upon change	
	Part 1b					of service	
Vapor	BAAQMD			S122: < 11 psia	BAAQMD	periodic	Records
pressure	Condition				8-5-501.1	initially and	
	22963,					upon change	
	Part 1d					of service	
Vapor	BAAQMD			S128: < 4.4 psia	BAAQMD	periodic	Records
pressure	Condition				8-5-501.1	initially and	
	22963,					upon change	
	Part 1e					of service	

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)

	NSFS KA - S341 (TANK 200), S342 (TANK 209), S343 (TANK 210)												
	Emission		Future		Monitoring	Monitoring							
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
	BAAQMD I	Regula	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS						
	LIMITS AN	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS											
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	Records						
	8-5-301			true vapor pressure	8-5-501.1	initially and							
						upon change							
710.0	D + + 63.5D					of service							
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD	P/SA	Measurement						
	8-5-320			standards; includes gasketed	8-5-401.2		and visual						
VOC	BAAQMD	Y		covers Primary rim-seal standards;	BAAQMD	P/SA and	inspection Seal						
1	8-5-321	1		includes gap criteria	8-5-401.1	every time a	inspection						
	00021			merades gap eriteria	0 0 10111	seal is	mspeersn						
						replaced							
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD	P/SA and	Seal						
	8-5-322			standards; includes gap	8-5-401.1	every time a	inspection						
				criteria		seal is							
TIO C	D 4 4 6 3 4 D	***		G	D + + 63 (D	replaced	D . 11						
VOC	BAAQMD	Y		Concentration of < 10,000	BAAQMD	periodic	Portable						
	8-5-328.1.2			ppm as methane after degassing	8-5-503	each time emptied &	hydrocarbon detector						
				degassing		degassed	detector						
VOC		Y		Certification reports on tank	BAAQMD	periodic	Reports						
				inspections and source tests	8-5-404	after each	1						
					8-5-405	tank							
						inspection							
						and source							
TIO C		* 7		D 1 0 1 1	D + + 61 (D	test	D 1						
VOC		Y		Records of tank seal	BAAQMD 8-5-501.2	<u>periodic</u> after each	Records						
				replacement	8-3-301.2	tank seal							
						replacement							
VOC		Y		Determination of	BAAQMD	P/E	look-up table						
				applicability	8-5-604		or sample						
							analysis						
		_		S for Petroleum Storage Vess									
		_		PS for Petroleum Storage Ves	sels (note 3)								
	40 CFR 63,	-											
		_		SHAPS for Petroleum Refine		NIZC							
	LIMITS AN	D MO	NITORIN(G FOR EXTERNAL FLOAT	ING ROOF TA	NKS							

Renewal Date: September 1, 2011

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)

			_ `				
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y		Deck fitting closure	40 CFR	periodic	visual
	63.640(n)			standards	63.640(n)(5)	initially &	inspection
	(5)				63.646	each time	
	63.646(f)				(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)			includes gap criteria	63.640(n)(5)	initially & at	and visual
	(5)				63.646(a)	5 yr intervals	inspection
	63.646(a)				63.120		
	63.120				(b)(1) & (2)		
	(b)(3)&(5)						
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
	63.640(n)			standards; includes gap	63.640(n)(5)	initially &	and visual
	(5)			criteria	63.646(a)	annually	inspection
	63.646(a)				63.120		
	63.120				(b)(1) & (2)		
	(b)(4)&(6)						
	BAAQMD I	PERM	IT CONDIT	TIONS			
throughput	BAAQMD	Y		S341: 4.38 E 7 bbl/yr	BAAQMD	P/M	Records
	Condition			S342: 4.38 E 7 bbl/yr	Condition		
	20989, Part			S343: 4.38 E 7 bbl/yr	20989, Part A		
	A						
throughput	BAAQMD	Y		S334: 6.51 E 6 bbl/yr	BAAQMD	periodic	Records
	Condition				8-5-501.1	initially and	
	22478, Part					upon change	
	7					of service	
Vapor	BAAQMD	Y		S334: \leq 5.8 psia	BAAQMD	periodic	Records
pressure	Condition				8-5-501.1	initially and	
	22478, Part					upon change	
	4					of service	

^{2.} Tanks subject to 63 Subpart CC (MACT) and NSPS K are subject only to MACT per 63.640(n)(5). Source S334 (Tank 107) is subject to NSPS K and MACT.

728

^{3.} Tanks subject to 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Sources S341 (Tank 208), S342 (Tank 209), and S343 (Tank 210) are subject to NSPS Ka and MACT.

Table VII – BB.15a

Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), S182 (Tank 294)

	Emission		Future		Monitoring	Monitoring							
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring						
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
Tank S168 w	Tank S168 will be subject to the requirements of Table BB.21 until it is controlled by A7, Odor Abatement System.												
Tank S168 v	vill be subject	to the 1	requirement	s in Table IV-15a when contro	olled by A7.								
	BAAQMD F	Regulat	ion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS						
	LIMITS AND MONITORING FOR CVS & CONTROL DEVICES												
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD	periodic	records						
	8-5-301			true vapor pressure	8-5-501.1	initially and							
						upon change							
						of service							
VOC	BAAQMD	Y		Pressure vacuum valve set	BAAQMD	P/SA	visual						
	8-5-303.1			pressure within 10% of	8-5-403		inspection						
				maximum allowable									
				working pressure of the									
				tank, or at least 0.5 psig									
VOC	BAAQMD	Y		Pressure vacuum valve must	BAAQMD	P/SA	Method 21						
	8-5-303.2			be gas-tight: < 500 ppm (as	8-5-403		portable						
				methane) above background	8-5-503		hydrocarbon						
					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	<u>periodic</u>	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						
	D 4 4 6 3 5 7 =						analysis						
VOC	BAAQMD B BAAQMD	kegulat	ion 8, Rule Y	-8 – Organic Compounds – \ 95% collection and	wastewater (Oi	I Water Separ N	ators)						
\ \(\frac{1}{2} \)	8-8-302.3		ĭ	destruction of VOC, by		IN.							
	5 5 502.5			weight									
				-									

Table VII – BB.15a Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S139 (Tank 204), S140 (Tank 205), S168 (Tank 269), S182 (Tank 294)

				S182 (1ank 294)			
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
40 CFR 61	National Em	ission	Standard fo	or Benzene Waste Operations	S	<u> </u>	
Subpart							
FF							
VOC	40 CFR	Y		Tank operates with no	40 CFR	P/A	Method 21
	61.343(a)			detectable emissions as	61.343(a)(1)		portable
	(1)(i)(A)			indicated by annual	(i)(A)		hydrocarbon
				instrument monitoring of			detector
				<500 ppm above			
VOC	40 CFR	Y		background Each fixed roof, seal access	40 CFR	P/Q	visual
VOC	61.343(c)	1		door, and all other openings	61.343(c)	<u>17Q</u>	inspection
	01.3 (5(0)			shall be checked by visual			
				inspection initially and			
				quarterly thereafter			
VOC	40 CFR	Y		Closed vent system operates	40 CFR	P/A	Method 21
	61.349(a)			with no detectable emissions	61.355(h)		portable
				as indicated by annual			hydrocarbon detector
				instrument monitoring of < 500 ppm above background			detector
NONE	40 CFR 63 S	uhnar	t CC _ NES	SHAPS for Petroleum Refine	l ries		
110112		_		ission point routed to fuel gas			
	BAAQMD P	ERM	IT CONDIT	TIONS			
VOC	BAAQMD	Y		Applies to S182 only		N	
	Condition			Requirement to vent			
	13184, Part			working emissions to fuel			
	1			gas system			
VOC	Condition	Y		Applies to S139	Condition	C	Pressure
	#23724, part			1.9 inches of water	#23724, part 3		monitoring
	4a	3 7		A 1' (0140	G I''	C	D
VOC	Condition #23724, part	Y		Applies to S140 1.9 inches of water	Condition #23724, part 3	С	Pressure monitoring
	#23724, part			1.9 filenes of water	#23724, part 3		monitoring
VOC	Condition	Y	7/5/09	Applies to S168	Condition	С	Pressure
1	#23724, part		,,,,,,		#23724, part 3		monitoring
	4a			1.8 inches of water			
VOC	Condition	Y	7/5/09	Applies to S182	Condition	C	Pressure
	#23724, part			1.5 inches of water	#23724, part 3		monitoring
	4a	l					

Table VII – BB.15b Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (Tank 202)

	Emission		Future	5137 (Tank 202)	Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
Zimit				5, Organic Compounds - ST			
		_	•	G FOR CVS & CONTROL D		2011.120	0125
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-306	Y		Control device standards; includes 95% efficiency requirement	BAAQMD 8-5-603.1	not specified	MOP Volume IV ST-4
VOC	BAAQMD 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	BAAQMD 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries		
	1			ssion point routed to fuel gas	s system.		
	BAAQMD P		T CONDIT		<u> </u>	T	
VOC	BAAQMD Condition 22518, Part 2	Y		S137 Vapor pressure < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	records

Table VII – BB.15b Applicable Limits and Compliance Monitoring Requirements MACT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS S137 (Tank 202)

				` ,			
	Emission		Future		Monitoring	Monitoring	
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	Condition	Y	7/5/09	Applies to S137	Condition	С	Pressure
	#23724, part				#23724, part 3		monitoring
	4a			1.7 inches of water			

Table VII – BB.16
Applicable Limits and Compliance Monitoring Requirements
MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK
S133 (TANK 193)

Type of	Emission		Future	Sios (Imax 195)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
	BAAQMD I	Regula	tion 8, Rule	5, Organic Compounds - STO	ORAGE OF OR	GANIC LIQU	
	LIMITS AN	D MO	NITORINO	G FOR EXTERNAL FLOAT	ING-ROOF TA	NKS	
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD & SIP 8-5-501.1	periodic initially and upon change of service	Records
VOC	BAAQMD 8-5-303.1	N		Pressure vacuum valve set to 90% of tank's maximum allowable working pressure or at least 0.5 psig	BAAQMD 8-5-501.4	P/initial	Records
VOC	SIP 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	SIP 8-5-403	P/SA	visual inspection
VOC	BAAQMD 8-5-303.2	N		Pressure vacuum valve sealing mechanism must be gas-tight: < 500 ppm	BAAQMD 8-5-403 8-5-403.1	P/SA	Method 21 portable hydrocarbon detector
				OR	BAAQMD 8-5-403 8-5-403.1 8-5-411.3 (optional)	P/Q (optional)	Method 21 portable hydrocarbon detector

Table VII – BB.16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK \$133 (TANK 193)

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
				Pressure vacuum valve sealing mechanism must be vented to abatement with 95% efficiency	BAAQMD 8-5-502.1	P/A	Source test (Not required if vented to fuel gas)
VOC	SIP 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	SIP 8-5-403 8-5-503 8-5-605	P/SA	Method 21 portable hydrocarbon detector
VOC	BAAQMD 8-5-304.6.1	N		Leaking pontoons gas tight requirements	BAAQMD 8-5-412	P/Q until repaired	Method 21 portable hydrocarbon detector
VOC	BAAQMD & SIP 8-5-320	Y		Floating roof fitting closure standards; includes gasketed covers	BAAQMD & SIP 8-5-401.2	P/SA	Measurement and visual inspection
VOC	BAAQMD & SIP 8-5-321	Y		Primary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD & SIP 8-5-322	Y		Secondary rim-seal standards; includes gap criteria	BAAQMD & SIP 8-5-401.1	P/SA and every time a seal is replaced	Seal inspection
VOC	BAAQMD 8-5-328.1	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurement s at 15 minute intervals	Method 21 portable hydrocarbon detector
VOC	SIP 8-5-328.1.2	Y		Concentration of < 10,000 ppm as methane after degassing	SIP 8-5-503	periodic each time emptied & degassed	Portable hydrocarbon detector
VOC		Y		Records of tank seal replacement	BAAQMD 8-5-501.2	periodic after each tank seal replacement	records

Table VII – BB.16 Applicable Limits and Compliance Monitoring Requirements MACT ZERO GAP EXTERNAL FLOATING ROOF WASTEWATER SLOP OIL TANK \$133 (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						
	BAAQMD I	BAAQMD Regulation 8, Rule 8 – Organic Compounds – Wastewater (Oil Water Separators)											
VOC	BAAQMD 8-8-303	Y		Vapor tight gauging and sampling devices	BAAQMD 8-8-504	N	Portable hydrocarbon						
				1 0	8-8-603		detector						
VOC	BAAQMD	Y		Slop oil tank vessel roof	BAAQMD	periodic	visual						
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection						
						semi-							
						annually							
	II	_		HAPS for Benzene Waste Sou	ırces								
	40 CFR 60,	Subpa	rt Kb – NSI	PS for VOL Storage Vessels									
	+	ID MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TAN								
VOC	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual						
	61.351			standards; includes gasketed	60.113b	initially &	inspection						
	(a)(2),			covers	(b)(6)	each time							
	60.112b					emptied &							
	(a)(2)(ii)					degassed							
VOC	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement						
	61.351			includes gap criteria	60.113b	initially &	and visual						
	(a)(2), 60.113b				(b)(1)-(b)(3)	at 5 yr intervals	inspection						
						intervars							
VOC	(b)(4)(i) 40 CFR	Y		Secondary rim-seal	40 CFR 60.113b	periodic	measurement						
VOC	61.351	1		standards; includes gap	(b)(1)-(b)(3)	initially &	and visual						
	(a)(2),			criteria	(0)(1)-(0)(3)	annually	inspection						
	60.113b			on on one		umuum	mspeedion						
	(b)(4)(ii)												
VOC	(3)(7)(7)	Y		Seal inspection records for	40 CFR	periodic	Records						
				report in 60.115b(b)(2)	61.356(k),	For each							
				•	60.115b(b)(3)	gap							
						measureme							
						nt							
VOC		Y		Inspection report for seal	40 CFR	periodic	Report						
				gap measurements	61.357(f),	Within 60							
					60.115b(b)(2)	days of seal							
						gap							
						measureme							
						nt							

Table VII – BB.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
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC		Y		Inspection report for non-	40 CFR	periodic	Report
				compliant seals	61.357(f),	Within 30	•
				-	60.115b(b)(4)	days of seal	
						inspection	
	40 CFR 63,	Subpar	rt G – SOC	MI HON			
	40 CFR 63,	Subpar	rt CC – NES	SHAPS for Petroleum Refine	ries		
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TAN	IKS	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual
	63.646(f)			standards	63.646	initially &	inspection
					(a) & (e)	each time	
					63.120	emptied &	
					(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement
	63.646(a)			includes gap criteria	63.646(a)	initially &	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	<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 I	PERMI	T CONDIT	TIONS			
throughput	BAAQMD	Y		8.76 E 5 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition 20989,		
	20989, Part				Part A		
	A						

Table VII – BB.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 Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS												
VOC	BAAQMD	Y	11202211	Record of liquids stored and	1	periodic	Records						
	8-5-301			true vapor pressure	SIP	initially and							
					8-5-501.1	upon change							
						of service							
VOC	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	P/Q until	Method 21						
	8-5-304.6.1			requirements	8-5-412	repaired	portable						
							hydrocarbon						
T.O.G	D 1 1 0 1 1 D	* 7			D 4 4 63 4D 0	D/G A	detector						
VOC	BAAQMD & SIP	Y		Floating roof fitting closure	BAAQMD & SIP	P/SA	Measurement and visual						
	8-5-320			standards; includes gasketed	8-5-401.2		inspection						
VOC	BAAQMD	Y		covers Primary rim-seal standards;	8-3-401.2 BAAQMD &	P/SA and	Seal						
VOC	& SIP	1		includes gap criteria	SIP	every time a	inspection						
	8-5-321			merades gap eriteria	8-5-401.1	seal is	mspection						
	0 0 021				0 0 10111	replaced							
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD &	P/SA and	Seal						
	& SIP			standards; includes gap	SIP	every time a	inspection						
	8-5-322			criteria	8-5-401.1	seal is							
						replaced							
VOC	BAAQMD	N		Residual organic	BAAQMD	P/each time	Method 21						
	8-5-328.1			concentration of < 10,000	8-5-328.1	emptied &	portable						
				ppm as methane after		degassed;	hydrocarbon						
				degassing		4 consecutive measurement	detector						
						s at 15							
						minute							
						intervals							
VOC	SIP	Y		Concentration of < 10,000	SIP	periodic	Portable						
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon						
				degassing		emptied &	detector						
						degassed							
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records						
				replacement	8-5-501.2	after each							
						tank seal							
					<u>[</u>	replacement							

Table VII – BB.17
Applicable Limits and Compliance Monitoring Requirements
NSPS KA EXTERNAL FLOATING ROOF TANK W/O ZERO-GAP SEALS
S340 (TANK 108)

				5540 (TANK 100)	l				
Type of	Emission		Future		Monitoring	Monitoring			
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring		
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	40 CFR 60 S	ubpar	t Ka – NSP	S for Petroleum Storage Ves	sels (Note 2)				
	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	eries				
	40 CFR 63 S	ubpar	t G – SOCI	MI HON					
	LIMITS AN	D MC	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)				
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement		
	63.640(n)(5)			standards; includes gap	63.640(n)(5)	initially &	and visual		
	63.646(a)			criteria	63.646(a)	annually	inspection		
	63.120				63.120				
	(b)(4)&(6)				(b)(1) & (2)				
	BAAQMD PERMIT CONDITIONS								
throughput	BAAQMD	Y		7.67 E 6 bbl/yr	BAAQMD	P/M	Records		
	Condition				Condition				
	20989, Part				20989, Part A				
	A								

^{2.} Tanks subject to 63 Subpart CC (MACT) and NSPS Ka are subject only to MACT per 63.640(n)(5). Source S340 (Tank 108) is subject to NSPS Ka and MACT.

Table VII – BB.18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

TD	E		E-4	1010)	M '4 '	M '4 '							
Type of	Emission		Future		Monitoring	Monitoring	35 4. 4						
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring						
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type						
	BAAQMD I	BAAQMD Regulation 8, Rule 5, Organic Compounds - STORAGE OF ORGANIC LIQUIDS											
	LIMITS AN	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS											
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD &	<u>periodic</u>	Records						
	8-5-301			true vapor pressure	SIP	initially and							
					8-5-501.1	upon change							
						of service							
VOC	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	P/Q until	Method 21						
	8-5-304.6.1			requirements	8-5-412	repaired	portable						
							hydrocarbon						
VOC	DAAOMD	Y		El4:	DAAOMD 6	P/SA	detector						
VOC	BAAQMD & SIP	ĭ		Floating roof fitting closure standards; includes gasketed	BAAQMD & SIP	P/SA	Measurement						
	8-5-320			covers	8-5-401.2		and visual inspection						
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD &	P/SA and	Seal						
100	& SIP	1		includes gap criteria	SIP	every time a	inspection						
	8-5-321			merades gap eriteria	8-5-401.1	seal is	mspection						
						replaced							
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD &	P/SA and	Seal						
	& SIP			standards; includes gap	SIP	every time a	inspection						
	8-5-322			criteria	8-5-401.1	seal is							
						replaced							
VOC	BAAQMD	N		Residual organic	BAAQMD	P/each time	Method 21						
	8-5-328.1			concentration of < 10,000	8-5-328.1	emptied &	portable						
				ppm as methane after		degassed;	hydrocarbon						
				degassing		4 consecutive	detector						
						measurement							
						s at 15							
						minute intervals							
VOC	SIP 8-5-	Y		Concentration of < 10,000	SIP	periodic	Portable						
, , ,	328.1.2	1		ppm as methane after	8-5-503	each time	hydrocarbon						
	320.1.2			degassing	0 5-505	emptied &	detector						
				aogasonig		degassed	detector						
VOC		Y		Records of tank seal	BAAQMD	periodic	records						
				replacement	8-5-501.2	after each							
						tank seal							
						replacement							

Table VII – BB.18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

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 followin				8), S125 (Tank 170)	Ciution	(170/11)	- JPC
VOC	BAAQMD	Y	(Tank 13	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
V 0C	8-5-303.2	1		be gas-tight: < 500 ppm (as	8-5-403	1/5/1	portable
				methane) above background	8-5-503		hydrocarbon
				-	8-5-605		detector
The following	ng apply only	to S11	3 (Tank 15	8), S125 (Tank 170)			
	40 CFR 63	Subpar	rt G – SOCI	MI HON			
		-		SHAPS for Petroleum Refine			
			<u> NITORIN</u>	G FOR EXTERNAL FLOAT	II	l	
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual
	63.646(f)			standards	63.646 (a) & (e)	initially & each time	inspection
					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) BAAQMD	DEDM	IT CONDI	FIONS	(b)(1) & (2)		
	DAAQMD	LEKIVI	II CONDI.				
throughput	BAAQMD	N		S113: 1.49 E 7 bbl/yr	BAAQMD	P/M	Records
	l ~			S125: 1.05 E 7 bbl/yr	Condition		
	Condition						
	20989,			S261: 7.01 E 7 bbl/yr	20989, Part A		

Table VII – BB.18 Applicable Limits and Compliance Monitoring Requirements MACT EXTERNAL FLOATING-ROOF TANKS W/O ZERO-GAP SEALS S113 (TANK 158), S125 (TANK 170), S183 (TANK 295), S184 (TANK 296), S261 (TANK 1010)

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	Y		S183: 4.38 E 5 bbl/yr	BAAQMD	P/M	records
	Condition			S184: 4.38 E 6 bbl/yr	Condition		
	20989,				20989, Part A		
	Part A						

Table VII – BB.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
Limit		Y/N	Date	Emission Limit	Citation		8
	Citation					(P/C/N)	Туре
	1	_		5, Organic Compounds - ST			UIDS
	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	SIP	initially and	
					8-5-501.1	upon change	
						of service	
VOC	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	P/Q until	Method 21
	8-5-304.6.1			requirements	8-5-412	repaired	portable
							hydrocarbon
							detector
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD &	P/SA	Measurement
	&			standards; includes gasketed	SIP		and visual
	SIP 8-5-320			covers	8-5-401.2		inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD &	P/SA and	Seal
	&			includes gap criteria	SIP	every time a	inspection
	SIP 8-5-321				8-5-401.1	seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD &	P/SA and	Seal
	&			standards; includes gap	SIP	every time a	inspection
	SIP 8-5-322			criteria	8-5-401.1	seal is	
						replaced	

Table VII – BB.19 Applicable Limits and Compliance Monitoring Requirements RIVETED MACT EXTERNAL FLOATING ROOF TANK S216 (TANK 695)

Type of	Emission		Future	5210 (TANK 093)	Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement		Monitoring
LIIIII	-			T	-	Frequency	_
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
VOC	BAAQMD	N		Residual organic	BAAQMD	P/each time	Method 21
	8-5-328.1			concentration of < 10,000 ppm as methane after	8-5-328.1	emptied &	portable
				degassing		degassed; 4 consecutive	hydrocarbon detector
				degassing		measurement	detector
						s at 15	
						minute	
						intervals	
VOC	SIP	Y		Concentration of < 10,000	SIP	periodic	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
HOG		***		D 1 0 1 1	D + + 61 (D		
VOC		Y		Records of tank seal	BAAQMD	periodic	records
				replacement	8-5-501.2	after each tank seal	
						replacement	
						терисетиет	
	40 CFR 63,	Subpai	rt G – SOCI	MI HON	II.		
	40 CFR 63,	Subpar	rt CC – NES	SHAPS for Petroleum Refine	eries		
	LIMITS AN	D MO	NITORING	G FOR EXTERNAL FLOAT	ING ROOF TA	NKS	
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 &	
IIAD	40 CED	37		Duine and the second	(b)(10)	degassed	
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	periodic	measurement
	63.646(a) 63.120			includes gap criteria	63.646(a) 63.120	initially & at 5 yr intervals	and visual inspection
	(b)(3)&(5)				(b)(1) & (2)	J yr miervals	mspection
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement
11/11	63.646(a)	1		standards; includes gap	63.646(a)	initially &	and visual
	63.120			criteria	63.120	annually	inspection
	(b)(4)&(6)				(b)(1) & (2)		<u>F</u>

Table VII – BB.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
	BAAQMD I	PERM	IT CONDIT	TIONS			
			ı		ı		
throughput	BAAQMD	N		4.6 E 6 bbl/yr	BAAQMD	P/M	Records
	Condition				Condition		
	20989,				20989, Part A		
	Part 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 Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
				5, Organic Compounds - ST			· -
	_	_		5, Organic Compounds - 51 G FOR EXTERNAL FLOAT		_	UIDS
VOC	BAAQMD	Y		Record of liquids stored and	1	periodic	Records
	8-5-301	_		true vapor pressure	8-5-501.1	initially and	
				• •		upon change	
						of service	
VOC	BAAQMD	N		Pressure vacuum valve set	BAAQMD	P/initial	Records
	8-5-303.1			to 90% of tank's maximum	8-5-501.4		
				allowable working pressure			
VOC	BAAQMD	N		or at least 0.5 psig Pressure vacuum valve	BAAQMD	P/SA	Method 21
1	8-5-303.2	11		sealing mechanism must be	8-5-403	17571	portable
				gas-tight: < 500 ppm	8-5-403.1		hydrocarbon
							detector
				OR	BAAQMD	P/Q	Method 21
					8-5-403	(optional)	portable
					8-5-403.1		hydrocarbon
					8-5-411.3		detector
					(optional)	5/1	
				Pressure vacuum valve	BAAQMD	P/A	Source test
				sealing mechanism must be vented to abatement with	8-5-502.1		(Not required if vented to
				95% efficiency			fuel gas)
VOC	SIP	Y		Pressure vacuum valve set	SIP	P/SA	visual
	8-5-303.1			pressure within 10% of	8-5-403		inspection
				maximum allowable			
				working pressure of the			
VOC	SIP	Y		tank, or at least 0.5 psig	SIP	D/C A	Method 21
VOC	8-5-303.2	I		Pressure vacuum valve must be gas-tight: < 500 ppm (as	8-5-403	P/SA	portable
	0-3-303.2			methane) above background	8-5-503		hydrocarbon
				,	8-5-605		detector
VOC	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	P/Q until	Method 21
	8-5-304.6.1			requirements	8-5-412	repaired	portable
							hydrocarbon
							detector

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)	Туре
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD &	P/SA	Measurement
	& SIP			standards; includes gasketed	SIP		and visual
	8-5-320			covers	8-5-401.2		inspection
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD &	P/SA and	Seal
	& SIP			includes gap criteria	SIP	every time a	inspection
	8-5-321				8-5-401.1	seal is	
						replaced	
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD &	P/SA and	Seal
	& SIP			standards; includes gap	SIP	every time a	inspection
	8-5-322			criteria	8-5-401.1	seal is	
						replaced	
VOC	BAAQMD	N		Residual organic	BAAQMD	P/each time	Method 21
	8-5-328.1			concentration of < 10,000	8-5-328.1	emptied &	portable
				ppm as methane after		degassed;	hydrocarbon
				degassing		4 consecutive	detector
						measurement	
						s at 15	
						minute	
						intervals	
VOC	SIP	Y		Concentration of < 10,000	SIP	<u>periodic</u>	Portable
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon
				degassing		emptied &	detector
						degassed	
VOC		Y		Records of tank seal	BAAQMD	<u>periodic</u>	records
				replacement	8-5-501.2	after each	
						tank seal	
						replacement	
	BAAQMD I	Regulat	tion 8, Rule	8 – Organic Compounds – V	Vastewater (Oil	Water Separa	tors)
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	periodic	visual
	8-8-305.1			criteria; includes gap criteria	8-8-305.1	initially &	inspection
	3 3 3 3 3 3 3 1					semi-	
						annually	

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)	Туре						
	40 CFR 63, Subpart G – SOCMI HON												
	40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries												
	LIMITS AND MONITORING FOR EXTERNAL FLOATING ROOF TANKS												
		1			П	Г							
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual						
	63.646(f)			standards	63.646	initially &	inspection						
					(a) & (e)	each time							
					63.120	emptied &							
					(b)(10)	degassed							
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement						
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual						
	63.120				63.120	5 yr intervals	inspection						
	(b)(3)&(5)				(b)(1) & (2)								
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	periodic	measurement						
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual						
	63.120			criteria	63.120	annually	inspection						
	(b)(4)&(6)				(b)(1) & (2)								
	BAAQMD I	PERMI	T CONDIT	TIONS			_						
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), 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)

Emission **Future** Type of Monitoring Monitoring Limit Limit **Effective** FE Requirement Frequency **Monitoring** Y/N Citation Date **Emission Limit** Citation (P/C/N)**Type** BAAOMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS Exempt per 8-5-117. Low vapor pressure POC Exemption from Regulation 8-5 BAAQMD P/E BAAOMD Vapor pressure 8-5-117 & when true vapor pressure is less 2-6-409.2 & determination than 25.8 mm Hg (0.5 psia). upon material Condition Condition 20773, Part 2 change 20773, Part 1 40 CFR 63, Subpart CC - NESHAP for Petroleum Refineries MONITORING FOR RECORDKEEPING ONLY HAP 40 CFR 40 CFR Retain weight percent total Records periodic 63.641 organic HAP in stored liquid 63.655(i)(1) initially and for Group 2 determination. (iv) upon change in service

746

Table VII – BB.22 Applicable Limits and Compliance Monitoring Requirements EXEMPT FIXED ROOF TANKS WITH VAPOR RECOVERY TO FUEL GAS 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 R	Regulat	tion 8, Rule	5 - Organic Compounds - ST	TORAGE OF O	RGANIC LIQ	QUIDS				
	Exempt per 8-5-117. Low vapor pressure										
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure				
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination				
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material				
	20773, Part 1				20773, Part 2		change				
NONE	40 CFR 63 S	ubpar	t CC – NES	SHAPS for Petroleum Refine	ries						
			Exempt per	63.640(d)(5). Emission point	routed to fuel g	as system.					
	BAAQMD P	ERM	T CONDIT	TIONS							
		1			1						
	Condition	Y	7/5/09	Applies to S175	Condition	C	Pressure				
	#23724, part				#23724, part 3		monitoring				
	4b			1.3 inches of water							

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)

				5), 5107 (TANK 154), 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
	BAAQMD F	Regulat	tion 8, Rule	5 - Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	Exempt per	8-5-11	7. Low vap	or pressure			
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
	40 CFR 63, S	Subpai	rt CC – NE	SHAP for Petroleum Refiner	ies		
	MONITORI	NG F	OR RECOR	RDKEEPING ONLY			
HAP	40 CFR	Y		Retain weight percent total	40 CFR	<u>periodic</u>	Records
	63.641			organic HAP in stored liquid	63.655(i)(1)	initially and	
				for Group 2 determination.	(iv)	upon change	
				_		in service	

⁺ 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 – BB.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)

Type of	Emission		Future		Monitoring	Monitoring				
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring			
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре			
				5, Organic Compounds - ST		` ,				
	_	_	•			_	UIDS			
	LIMITS AND MONITORING FOR EXTERNAL FLOATING-ROOF TANKS									
VOC	BAAQMD	Y		Record of liquids stored and	•	<u>periodic</u>	Records			
	8-5-301			true vapor pressure	SIP	initially and				
					8-5-501.1	upon change				
						of service				
	BAAQMD	N		Leaking pontoons gas tight	BAAQMD	P/Q until	Method 21			
	8-5-304.6.1			requirements	8-5-412	repaired	portable			
							hydrocarbon			
							detector			
VOC	BAAQMD	Y		Floating roof fitting closure	BAAQMD &	P/SA	Measurement			
	& SIP			standards; includes gasketed	SIP		and visual			
	8-5-320			covers	8-5-401.2		inspection			
VOC	BAAQMD	Y		Primary rim-seal standards;	BAAQMD &	P/SA and	Seal			
	& SIP			includes gap criteria	SIP	every time a	inspection			
	8-5-321				8-5-401.1	seal is				
						replaced				
VOC	BAAQMD	Y		Secondary rim-seal	BAAQMD &	P/SA and	Seal			
	& SIP			standards; includes gap	SIP	every time a	inspection			
	8-5-322			criteria	8-5-401.1	seal is	-			
						replaced				
VOC	BAAQMD	N		Residual organic	BAAQMD	P/each time	Method 21			
	8-5-328.1			concentration of < 10,000	8-5-328.1	emptied &	portable			
				ppm as methane after		degassed;	hydrocarbon			
				degassing		4 consecutive	detector			
						measurement				
						s at 15				
						minute				
						intervals				

⁺ 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 – BB.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)	Type					
VOC	SIP	Y		Concentration of < 10,000	SIP	periodic	Portable					
	8-5-328.1.2			ppm as methane after	8-5-503	each time	hydrocarbon					
				degassing		emptied &	detector					
						degassed						
VOC		Y		Records of tank seal	BAAQMD	periodic	Records					
				replacement	8-5-501.2	after each						
						tank seal						
					_	replacement						
	40 CFR 63 Subpart G – SOCMI HON											
	40 CFR 63 S	Subpar	t CC – NES	SHAPS for Petroleum Refine	ries							
	LIMITS AN	D MO	NITORINO	FOR EXTERNAL FLOAT	ING ROOF TA	NKS						
HAP	40 CFR	Y		Deck fitting closure	40 CFR	<u>periodic</u>	visual					
	63.646(f)			standards	63.646	initially &	inspection					
					(a) & (e)	each time						
					63.120	emptied &						
					(b)(10)	degassed						
HAP	40 CFR	Y		Primary rim-seal standards;	40 CFR	<u>periodic</u>	measurement					
	63.646(a)			includes gap criteria	63.646(a)	initially & at	and visual					
	63.120				63.120	5 yr intervals	inspection					
	(b)(3)&(5)				(b)(1) & (2)							
HAP	40 CFR	Y		Secondary rim-seal	40 CFR	<u>periodic</u>	measurement					
	63.646(a)			standards; includes gap	63.646(a)	initially &	and visual					
	63.120			criteria	63.120	annually	inspection					
	(b)(4)&(6)				(b)(1) & (2)							

Table VII – BB.24
Applicable Limits and Compliance Monitoring Requirements
NSPS K EXEMPT TANKS SUBJECT TO MACT RECORDKEEPING
S90 (TANK 67), S105 (TANK 129)

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD R	egulat	tion 8, Rule	5 - Organic Compounds - ST	ORAGE OF C	RGANIC LIC	QUIDS
	Exempt per 8	-5-11	7. Low vap	or pressure			
POC	BAAQMD 8-5-117 &	Y		Exemption from Regulation 8-5 when true vapor pressure is less	BAAQMD 2-6-409.2 &	P/E	Vapor pressure determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
	40 CFR 60, S	ubpaı	t K – NSPS	S for Petroleum Storage Vess	els ¹		
	40 CFR 63, S	ubpaı	t CC – NE	SHAP for Petroleum Refiner	ies		
	MONITORI	NG F	OR RECOR	RDKEEPING ONLY			
HAP	63.640(n)(7)	Y		Retain weight percent total	63.655(i)(1)	<u>periodic</u>	Records
	63.641			organic HAP in stored liquid	(iv)	initially and	
				for Group 2 determination.		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	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD I	Regulat	tion 8, Rule	5, Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS
	LIMITS AN	D MO	NITORING	G FOR PRESSURE TANKS			
VOC	BAAQMD	Y		Record of liquids stored and	BAAQMD &	<u>periodic</u>	records
	8-5-301			true vapor pressure	SIP	initially and	
					8-5-501.1	upon change	
						of service	
VOC	BAAQMD	N		Pressure vacuum valve set	BAAQMD	P/initial	Records
	8-5-303.1			to 90% of tank's maximum	8-5-501.4		
				allowable working pressure			
				or at least 0.5 psig			

¹ Group 2 storage vessels as defined in 40 CFR 63, Subpart CC (MACT) that are subject to NSPS K but are exempt from control requirements in NSPS K are subject only to MACT per 63.640(n)(7).

Table VII – BB.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	1 ANK 301), 3190 (1 A	Monitoring	Monitoring	
		ы			_	_	N# '4 '
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	N		Pressure vacuum valve	BAAQMD	P/SA	Method 21
	8-5-303.2			sealing mechanism must be	8-5-403		portable
				gas-tight: < 500 ppm	8-5-403.1		hydrocarbon
							detector
				<u>OR</u>			
				<u>on</u>			
					BAAQMD	P/Q	Method 21
					8-5-403	(optional)	portable
					8-5-403.1		hydrocarbon
					8-5-411.3		detector
					(optional)		
				Pressure vacuum valve	BAAQMD	P/A	Source test
				sealing mechanism must be	8-5-502.1		(Not required
				vented to abatement with			if vented to
				95% efficiency			fuel gas)
VOC	SIP	Y		Pressure vacuum valve set	SIP	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	SIP	Y		Pressure vacuum valve must	SIP	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
TIO C	D 4 4 63 (D	2.7		D 1' 6 1 '	8-5-605	D/G 4	detector
VOC	BAAQMD	N		Pressure relief devices on	BAAQMD	P/SA	Method 21
	8-5-307.3			pressure tank must be gas	8-5-403		Portable
				tight (< 500 ppm as	8-5-403.2		hydrocarbon
VOC	DAAOMD	NT		methane)	DAAOMD	P/Q	detector
VOC	BAAQMD	N		Pressure relief devices on	BAAQMD	_	Method 21 Portable
	8-5-307.3			pressure tank must be gas tight (< 500 ppm as	8-5-403 8-5-403.2	(optional)	
				methane)	8-5-403.2 8-5-411		hydrocarbon detector;
				memane)	(optional)		enhanced
					(орионат)		monitoring
VOC	SIP	Y		Pressure tank must be gas	SIP	not specified	Method 21
, voc	8-5-307	1		tight: < 100 ppm (as	8-5-503	not specified	portable
	0-3-301			methane) above background	8-5-605		hydrocarbon
				mediane, above background	0-5-005		detector
	1	<u> </u>				l	uciccioi

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	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	N		Residual organic concentration of < 10,000 ppm as methane after degassing	BAAQMD 8-5-328.1	P/each time emptied & degassed; 4 consecutive measurement s at 15 minute intervals	Method 21 portable hydrocarbon detector				
VOC	SIP 8-5-328.1.2	Y		Organic concentration in tank <10,000 ppm as methane after cleaning	SIP 8-5-503	periodic each time emptied & degassed	portable hydrocarbon detector				
	E 40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries Exempt per 63.640(d)(5). Emission point routed to fuel gas system										
	ng applies to		•								
	- II										
	Exempt per emissions to			essure vessel designed to oper	rate in excess of	204.9 KPa and	without				

753

$Table\ VII-BB.26$ Applicable Limits and Compliance Monitoring Requirements $OLD\ MACT\ TANK < 5{,}000\ GALLONS$ $S507\ (TANK\ 21{,}\ FPLH\ RECOVERY\ TANK)$

	Emission		Future		Monitoring	Monitoring			
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring		
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type		
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS								
	LIMITS AND MONITORING								
VOC	BAAQMD 8-5-301	Y		Record of liquids stored and true vapor pressure	BAAQMD 8-5-501.1	periodic initially and upon change of service	records		
VOC	BAAQMD 8-5-303.1	Y		Pressure vacuum valve set pressure within 10% of maximum allowable working pressure of the tank, or at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection		
VOC	BAAQMD 8-5-303.2	Y		Pressure vacuum valve must be gas-tight: < 500 ppm (as methane) above background	BAAQMD 8-5-403 8-5-605	P/SA	Method 21 portable hydrocarbon detector		
VOC		Y		Determination of applicability	BAAQMD 8-5-604	P/E	look-up table or sample analysis		
NONE	40 CFR 63 St	ıbpar	t EEEE – N	ESHAPS for Organic Liquid	d Distribution				
	Exempt per 63.2343(a).								
	BAAQMD P	ERM	T CONDIT	TIONS	ı	T			
Vapor pressure	BAAQMD Condition 24532, Part	Y		TVP < 11 psia	BAAQMD 8-5-501.1	periodic initially and upon change of service	records		
VOC	Condition 24532, Part 2	Y		Pressure vacuum valve set pressure at least 0.5 psig	BAAQMD 8-5-403	P/SA	visual inspection		
VOC	Condition 24532, Part 4	Y		POC 218 pounds per 12 consecutive months	Condition 24532 Part 1 and Part 3	Р	Records and calculations		
Throughput	Condition 24532, Part 3	Y		9,883 gal. per 12 consecutive months	Condition 24532, Part 5	P/M	Records		

Table VII – BB.27 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANKS VENTED TO FUEL GAS TANK 235, TANK 236

	II			TAIN 255, TAIN 250	<u> </u>				
	Emission		Future		Monitoring	Monitoring			
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring		
Limit	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	BAAOMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure		
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination		
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material		
	20773, Part 1				20773, Part 2		change		
NONE	40 CFR 63, Subpart CC – NESHAPS for Petroleum Refineries								
	Exempt per 63.640(d)(5). Emission point routed to fuel gas system.								
	Form Form State St								
	40 CFR 60. S	40 CFR 60, Subpart Kb - NSPS for VOL Storage Vessels at Petroleum Refineries							
	1	•		S 101 + OL Storage + essess a					
	RECORDKEEPING ONLY								
Vapor	40 CFR	Y		True vapor pressure less	40 CFR	P/E	Record		
pressure	60.110b(c)	1		than 3.5 kPa.	60.116b(b)	T/L	Record		
pressure	BAAQMD PERMIT CONDITIONS								
	DAAQIID I EMIII COMIIIOMS								
	Condition	Y	7/5/09	Applies to 235	Condition	С	Pressure		
	#23724, part			2.2 inches of water	#23724, part 3		monitoring		
	4b				, , , , , , , , , , , , , , , , , , ,				
	Condition	Y	7/5/09	Applies to 236	Condition	С	Pressure		
	#23724, part	_		2.2 inches of water	#23724, part 3	_	monitoring		

Table VII – BB.28 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF WASTEWATER TANK

TANK 237

T 0			T	TANK 251	35	35		
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 R	egulat	ion 8, Rule	5 - Organic Compounds - ST	ORAGE OF O	RGANIC LIQ	UIDS	
	Exempt per 8	3-5-11 [']	7. Low vap	or pressure				
			•	•				
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure	
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination	
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material	
	20773, Part 1				20773, Part 2		change	
NONE	40 CFR 63 St	ıbpar	t CC – NES	SHAPS for Petroleum Refine	ries			
	RECORDKE	EPIN	G ONLY					
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records	
	63.641			organic HAP in stored liquid	63.655(i)(1)	initially and		
				for Group 2 determination.	(iv)	upon change		
						in service		
	40 CFR 60, Subpart QQQ - VOC Emissions from Petroleum Refinery Wastewater Systems							
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	<u>periodic</u>	Records	
				60.692-3(a) inspections that	60.697(c)	when problem		
				could result in VOC		is identified		
				emissions				
VOC		Y		Problems identified during	40 CFR	<u>periodic</u>	Report	
				60.692-3(a) inspections that	60.698(c)	initially and		
				could result in VOC		semi-annually		
				emissions				

756

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – BB.29 Applicable Limits and Compliance Monitoring Requirements NSPS KB EXEMPT FIXED ROOF TANK

TANK 224

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
	BAAQMD Regulation 8, Rule 5 - Organic Compounds - STORAGE OF ORGANIC LIQUIDS						
	Exempt per 8	_					-
POC	BAAQMD	Y		Exemption from Regulation 8-5	BAAQMD	P/E	Vapor pressure
	8-5-117 &			when true vapor pressure is less	2-6-409.2 &		determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
	40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants for Petroleum						
	Refineries						
	RECORDKE	EPIN	G ONLY				
HAP	40 CFR	Y		Retain weight percent total	40 CFR	periodic	Records
	63.641			organic HAP in stored liquid	63.655(i)(1)	initially and	
				for Group 2 determination.	(iv)	upon change	
						in service	

Table VII – BB.30 Applicable Limits and Compliance Monitoring Requirements EXEMPT EXTERNAL FLOATING ROOF WASTEWATER TANKS TANK 206, TANK 207

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 vapo	or pressure			
POC	BAAQMD 8-5-117 &	Y		Exemption from Regulation 8-5 when true vapor pressure is less	_	P/E	Vapor pressure determination
	Condition			than 25.8 mm Hg (0.5 psia).	Condition		upon material
	20773, Part 1				20773, Part 2		change
NONE	63 Subpart CC – NESHAPS for Petroleum Refineries						
	NO MONITO)RIN	G REQUIR	EMENTS FOR GROUP 2 V	VASTEWATE	R SOURCES	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CC.1 Applicable Limits and Compliance Monitoring Requirements S452, S453, S455, S457, S458, S500, COOLING TOWERS

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
Opacity	BAAQMD	N		Ringelmann No. 1 for	None	N	None
	Regulation			no more than 3			
	6-1-301			minutes/hour			
Opacity	SIP	Y		Ringelmann No. 1 for	None	N	None
	Regulation			no more than 3			
	6-301			minutes/hour			
FP	BAAQMD	N		0.15 grain/dscf	None	N	None
	6-1-310						
FP	SIP	Y		0.15 grain/dscf	None	N	None
	6-310						
	BAAQMD	N		40 lb/hr	None	N	None
	6-1-311						
	SIP	Y		40 lb/hr	None	N	None
	6-311						
PM				None	BAAQMD	P/M	Analysis total
					Condition		dissolved
					22121, part 4		solids
Organic	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/D	Visual
com-	8-2-301			and 15 lb organic	Condition		inspection
pounds				compounds/day	22121, part 1		
Organic	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/3 times	Analysis of
com-	8-2-301			and 15 lb organic	Condition	per week	chlorine
pounds				compounds/day	22121, part 2		content
	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/E, after 4	Estimate of
	8-2-301			and 15 lb organic	Condition	weeks of	daily VOC loss
				compounds/day	22121, part 6	indication of	
						hydrocarbon	
						leak	
	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/M	VOC analysis
	8-2-301			and 15 lb organic	Condition		
				compounds/day	22121, part 2		

758

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – CC.1 Applicable Limits and Compliance Monitoring Requirements S452, S453, S455, S457, S458, S500, COOLING TOWERS

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
Chloro-				None	BAAQMD	P/M	Records of
form					Condition		NaOCl usage
					22121, part 3		

Table VII – CC.2

Applicable Limits and Compliance Monitoring Requirements

S456, COOLING TOWER

	S450, COOLING TOWER						
			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	N		Ringelmann No. 1 for	None	N	None
	Regulation			no more than 3			
	6-1-301			minutes/hour			
Opacity	SIP	Y		Ringelmann No. 1 for	None	N	None
	Regulation			no more than 3			
	6-301			minutes/hour			
FP	BAAQMD	N		0.15 grain/dscf	None	N	None
	6-1-310						
FP	SIP	Y		0.15 grain/dscf	None	N	None
	6-310						
PM				None	BAAQMD	P/M	Analysis total
					Condition		dissolved
					22122, part 2		solids
Organic	BAAQMD	Y		300 ppm as carbon	BAAQMD	P/D	Visual
com-	8-2-301			and 15 lb organic	Condition		inspection
pounds				compounds/day	22122, part 1		
				None	BAAQMD	P/E, after 4	Estimate of
					Condition	weeks of	daily VOC loss
					22122, part 4	indication of	
						hydrocarbon	
						leak	

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD		
Regulations		
6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible
		Emissions; EPA Method 9
6-1-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions
6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
		U.S. EPA Method 5
6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
		U.S. EPA Method 5
8-2-301	VOC Emission Limit for	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Miscellaneous Operations	25A
8-5-301	Tank Emission Control System	Manual of Procedures, Volume IV, ST-4
	Requirements, 95% Abatement	
	Efficiency	
8-5-303.2	Gas Tight Requirements for	Organic compounds shall be measured using a portable gas
8-5-306, and	Organic Liquid Storage Tanks	detector as prescribed in EPA Reference Method 21 (60,
8-5-307		Appendix A)
8-5-320	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-320 when
	external) tank fitting gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-321	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-321 when
	external) primary rim seal gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-322	Floating Roof Tank (internal and	Physical measurements as described in BAAQMD 8-5-322 when
	external) secondary rim seal gap	required in BAAQMD 8-5-401 or BAAQMD 8-5-402.
	measurement	
8-5-328.1.2	Tank Degassing Emission	Manual of Procedures, Volume IV, ST-7
	Control System Requirements	
8-5-601	Reid Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 13,
		Determination of the Reid Vapor Pressure of Petroleum Products

Table VIII Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
	True Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 28,
8-5-602		Determination of Vapor Pressure of Organic Liquids from Storage
		Tanks
8-7-301	Phase I Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor
	Requirements	Recovery Leak Test Procedure; and ST-36, Gasoline Dispensing
		Facility Phase I Volumetric Efficiency
8-7-302	Phase II Vapor Recovery	Manual of Procedures, Volume IV, ST-30, Vapor Tightness; ST-
	Requirements	37, Liquid Removal; and ST-41, Liquid Retain and Spitting from
		Nozzles
8-8-302.3	Oil-Water Separator Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-307.2	Air Flotation Unit Vapor	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or
	Recovery System Requirements	25A
8-8-504	Portable Hydrocarbon Detector	A gas detector that meets the specifications and performance
		criteria of and has been calibrated in accordance with EPA
		Reference Method 21 (60, Appendix A)
8-8-601	Wastewater Analysis for Critical	Samples of wastewater shall be taken at the influent stream for
	OCs	each unit and analyzed for the concentration of dissolved critical
		organic compounds as prescribed in the District's Manual of
		Procedures, Volume III, Lab Method 33.
8-8-602,	Determination of Emissions	Emissions of POCs, as specified in Sections 8-8-301.3, 8-8-302.3,
8-8-301.3,		8-8-304, 8-8-305.2, 8-8-306.2, and 8-8-307.2 shall be measured
8-8-302.3,		by as prescribed by any of the following methods: 1). BAAQMD
8-8-304,		MOP, Volume IV, ST-7 or; 2). EPA Method 25 or 25(A).
8-8-305.2,		
8-8-306.2, and		
8-8-307.2		
8-8-603,	Inspection Procedures	For the purposes of 8-8-301, 302, 303, and 304, leaks shall be
8-8-301,		measured using a portable gas detector as prescribed in EPA
8-8-302,		Reference Method 21 (60, Appendix A)
8-8-303, and		
8-8-304		
8-18	Fugitive Emission Monitoring	EPA Method 21
	Requirements	

761

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-44-304.1	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
	during marine tank vessel	Vapor Recovery Units or
	loading	EPA Method 25, Determination of Total Gaseous Nonmethane
		Organic Emissions , or
		EPA Method 25A, Determination of Total Gaseous Organic
		Concentration Using a Flame Ionization Analyzer, or
		alternate method approved in writing by the APCO and U.S. EPA
8-44-305	Tank vessel is leak free and gas	EPA Method 21, Determination of Volatile Organic Compounds
	tight	Leaks
8-44-603	Leak Tests and Gas Tight	EPA Method 21, Determination of Volatile Organic Compounds
	Determinations	Leaks
8-44-604	Flash Point Determinations	ASTM Standard Test Method D56 ("Standard Test Method for
		Flash Point by Tag Closed Cup Tester") or ASTM Standard Test
		Method D93 ("Standard Test Methods for Flash Point by Pensky-
		Martens Closed Cup Tester"), whichever is applicable, or by an
		alternate method approved in writing by the APCO and U.S. EPA.
SIP		
Regulations		
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
	Reid Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 13,
8-5-601		Determination of the Reid Vapor Pressure of Petroleum Products
	True Vapor Pressure	Manual of Procedures, Volumne III, Lab Method 28,
8-5-602		Determination of Vapor Pressure of Organic Liquids from Storage
		Tanks
8-44-301.1	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,
8-44-301.2	during marine tank vessel	Vapor Recovery Units
	loading	
8-44-303	Tank vessel is leak free and gas	EPA Method 21, Determination of Volatile Organic Compounds
	tight	<u>Leaks</u>

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
8-44-603	Leak Tests and Gas Tight	EPA Method 21, Determination of Volatile Organic Compounds
	Determinations	<u>Leaks</u>
BAAQMD		
Regulations		
9-1-301,	Ground Level Monitoring	Manual of Procedures, Volume VI, Section 1, Area Monitoring
9-2-301,		
9-1-604		
9-1-501,	Continuous Monitoring	Manual of Procedures, Volume 5, Continuous Monitoring
9-1-502,		
9-2-501		
9-1-313	NH3 and H2S abatement	Manual of Procedures, Volume III, Lab 32, Determination of H2S
	efficiency	in Process Water Streams
		Manual of Procedures, Volume III, Lab 1, Determination of NH3
		in Effluents
9-9-301.1.3	Emission Limits: Turbines Rated	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen,
	> 10 MW with SCR	Continuous Sampling and
		ST-14, Oxygen, Continuous Sampling
9-10-301	Refinery-Wide NO _x Emission	Manual of Procedures, Volume V and Manual of Procedures,
	Limit	Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-303	NO _x Emission Limit	Manual of Procedures, Volume V and Manual of Procedures,
7-10-303	NO _x Emission Emit	Volume IV, ST-13A or B (nitrogen oxides) and ST-14 (oxygen)
9-10-305	CO Emission Limit	Manual of Procedures, Volume V and Manual of Procedures,
7 10 303	CO Emission Emit	Volume IV, ST-6 (carbon monoxide) for CEM verification by
		source test
40 CFR 60,	New Source Performance	
Subpart A	Standards – General Provisions	
	(12/23/71)	
40 CFR 60,	Standards of Performance for	
Subpart Db	Industrial-Commercial-	
Suppart Du	Institutional Steam Generating	
	Units (3/13/00)	
60.44b(a)	NO _x Emission Limit	40 CFR 60, Appendix B, Performance Specification 2
60.44b(e)	1.0 _X Emission Emit	10 of K 00, Appendix B, I enformance opermeation 2
00.TTU(C)	1	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60,	Standards of Performance for	
Subpart J	Petroleum Refineries (7/1/00)	
60.104(a)(1)	Fuel Gas H2S Concentration	40 CFR 60, Appendix B, Performance Specification 7 and
	Limit	Method 11 for Relative Accuracy
40 CFR 60	SO2 limit	EPA Method 6, Determination of sulfur dioxide emissions from
Subpart J,		stationary sources, or
60.104(a)(2)		EPA Method 6c, Determination of Sulfur Dioxide Emissions
(i)		From Stationary Sources (Instrumental Analyzer Procedure), and
		Method 3, Gas analysis for the determination of dry molecular
		weight, or
		Method 3A, Determination of Oxygen and Carbon Dioxide
		Concentrations in Emissions From Stationary Sources
		(Instrumental Analyzer Procedure), and
		Method 4, Determination of moisture content in stack gases, and
		Method 15, Determination of hydrogen sulfide, carbonyl sulfide,
		and carbon disulfide emissions from stationary sources
60.106(f)(3)	H2S concentration monitoring	EPA Method 3: O2
60.106(f)(1)	SO2 concentration monitoring	EPA Method 6: SO2
60.106(e)	H2S concentration monitoring	EPA Method 11: H2S
60.106(f)(2)	TRS concentration monitoring	EPA Method 15: Total Reduced Sulfur
40 CFR 60,	Standards of Performance for	
Subpart Kb	Volatile Organic Liquid	
	Storage Vessels	
60.112b	NSPS Subpart Kb Closed Vent	40 CFR 60, Appendix A, Method 21 as specified in 40 CFR 60, Subpart VV 60.485(b)
(a)(3)(i)	System – leak detection	
60.112b	NSPS Subpart Kb Closed Vent	40 CFR 60, Subpart Kb 60.113b(c) Testing and Procedures
(a)(3)(ii)	System Performance (95%	
	efficiency)	
60.113b	NSPS Subpart Kb External	40 CFR 60, Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
(b)(4)(i)	Floating Roof Tank primary rim	resumg and roccounes
	seal gap measurement	
60.113b	NSPS Subpart Kb External	40 CFR 60, Subpart Kb 60.113b(b)(1) through 60.113b(b)(3) Testing and Procedures
(b)(4)(ii)	Floating Roof Tank secondary	resumg and riocedules
	rim seal gap measurement	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60,	Standards of Performance for	
Subpart GG	Stationary Gas Turbines	
	(1/27/82)	
60.332 (a)(1)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.332 (a)(2)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (a)	SO2 Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur
		Dioxide, and Diluent Emissions from Stationary Gas Turbines
60.333 (b)	Fuel Sulfur Limit (gaseous fuel)	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel
		Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in
		Natural Gas by Hydrogenation
		ASTM D 4084-82, Standard Method for Analysis of Hydrogen
		Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method),
		ASTM D 3246-81, Standard Method for Sulfur in Petroleum Gas
		by Oxidative Microcoulometry
60.333 (b)	Fuel Sulfur Limit (liquid fuel)	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel
		Oils
60, Appendix	Inspection Procedures	EPA Reference Method 21
A		
40 CFR 60,	Standards of Performance for	
Subpart VV	Equipment Leaks of VOC in	
	SOCMI	
60.482-	Pumps in light liquid service –	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
2(b)(1)	leak detection	VV 60.485(b)
60.482-2(e)	Pumps in light liquid service and	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	designated for "no detectable	VV 60.485(c)
	emission" - leak detection	
60.482-3	Compressors designated for "no	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	detectable emission" - leak	VV 60.485(c)
	detection	
60.482-4(b)	Pressure relief valve (gas/vapor)	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	no detectable emissions after a	VV 60.485(c)
	pressure release event.	
	• -	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
60.482-7(b)	Valves in gas/vapor service and	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	in light liquid service – leak	VV 60.485(b)
	detection.	
60.482-7(f)	Valves in gas/vapor service and	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	in light liquid service and	VV 60.485(c)
	designated for "no detectable	
	emission" - leak detection	
60.482-7(h)	Valves in gas/vapor service and	40 CFR 60, Appendix A, Method 21 once per year in accordance
	in light liquid service and	with written plan (60.482-7(h)(3)
	designated as difficult-to-	
	monitor.	
60.482-8(b)	Pumps and valves in heavy liquid	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	service, pressure relief devices	VV 60.485(b)
	(liquid), and flanges and other	
	connectors – leak detection	
60.483-2	Individual valves meeting criteria	40 CFR 60, Appendix A, Method 21 as specified in 60 Subpart
	for skip period leak detection -	VV 60.485(b)
	leak detection	
40 CFR 60,	Standards of Performance For	
Subpart	Petroleum Refinery	
QQQ	Wastewater Systems	
60.696	Performance test methods and	Sources equipped with a closed-vent system and control device
	procedures and compliance	shall use EPA Method 21 to measure the emission concentrations,
	provisions	using 500 ppm as the no detectable emission limit. Acceptable
		seal gap criteria also included.
60.696	Leak inspection procedures	EPA reference method 21 (40 CFR 60, Appendix A),
		Determination of Volatile Organic Compound Leaks
40 CFR 61,		
Subpart FF		
61.343(a)(1)	No detectable emissions over	40 CFR 60, Appendix A, Method 21 as specified in 40 CFR 61,
(i)(A)	500 ppmv	Subpart FF 61.355(h)
40 CFR 63,	National Emissions Standards	
Subpart CC	for Hazardous Air Pollutants	
	from Petroleum Refineries –	
	General Standards	

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
63.646(a)	Refinery MACT (63	40 CFR 63, Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
63.120(b)(3)	Subpart CC) Group 1 external	to Determine Compliance
63.120(b)(5)	floating roof tanks primary rim-	
	seal gap measurement	
63.646(a)	Refinery MACT (63	40 CFR 63, Subpart G 60.120(b)(1) and 60.120(b)(2) Procedures
63.120(b)(4)	Subpart CC) Group 1 external	to Determine Compliance
63.120(b)(6)	floating roof tanks secondary	
	rim-seal gap measurement	
California		
Air		
Resources		
Board		
(CARB)		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1B: "Rotatable Adaptor Torque
Condition	test	Test"
18680, Part 2		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1C: "Drop Tube/Drain Valve
Condition	test	Assembly"
18680, Part 2		
BAAQMD	Gasoline dispensing facility leak	CARB Test Procedure TP201.1D: "Drop Tube Overfill
Condition	test	Prevention Device and Spill Container Drain Valve Leak Test"
18680, Part 2		
BAAQMD		
Conditions		
BAAQMD	Source test requirement for POC	Manual of Procedures, Volume IV, ST-7, Organic Compounds
Condition		
1440, Part		
7b.i.1		
BAAQMD	Source test requirement for POC	Manual of Procedures, Volume IV, ST-7, Organic Compounds
Condition		
1440, Part		
7b.i.2		
BAAQMD	Source test requirement for H2S	Manual of Procedures, Volume IV, ST-28, Hydrogen Sulfide,
Condition		Integrated Sampling
1440, Part		
7b.i.3		

Applicable			
Requirement	Description of Requirement	Acceptable Test Methods	
BAAQMD	Source test requirement for H2S	Manual of Procedures, Volume IV, ST-28, Hydrogen Sulfide,	
Condition		Integrated Sampling	
1440, Part			
7b.i.4			
BAAQMD	Source test requirement for SO2	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide,	
Condition		Continuous Sampling	
1440, Part			
7b.i.5			
Condition	Leak test	EPA Method 21, Determination of Volatile Organic Compounds	
4336, part 4		Leaks	
Condition	POC emission rate limitation	Manual of Procedures, ST-34, Bulk Marine Loading Terminals,	
4336, part 9	during barge loading	Vapor Recovery Units or	
		EPA Method 25, Determination of Total Gaseous Nonmethane	
		Organic Emissions , or	
		EPA Method 25A, Determination of Total Gaseous Organic	
		Concentration Using a Flame Ionization Analyzer, or	
		alternate method approved in writing by the APCO and U.S. EPA	
Condition	Alternative monitoring for	ASTM Method 4913-00, Standard Practice for Determining	
4336, part 11	compliance with 40 CFR	Concentration of Hydrogen Sulfide by Reading Length of Stain,	
	60.104(a)(1) H2S limit	Visual Chemical Detectors	
BAAQMD	PM10 Emission Rate	EPA Method 201, Determination of PM10 Emissions (Exhaust	
Condition		Gas Recycle Procedure), and	
22962, Part 2		EPA Method 202, Determination of Condensible Particulate	
		Emissions From Stationary Sources (Found in 40 CFR 51,	
		Appendix M)	

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX A - 1
Permit Shield for Non-applicable Requirements
ALL SOURCES

Citation	Title or Description	
	(Reason not applicable)	
BAAQMD	"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 emit	
Rule 1	in excess of 15 pounds per day (11-1-301) each, or with the potential to result in ground	
	level lead concentrations in excess of 1.0 microgram/m3 averaged over 24 hours (11-1-	
	302).	
60.692-3(b)	This subsection of NSPS Subpart QQQ requires vents on oil-water separators to be routed	
	through a closed vent system to a control device. The applicant's separator has a fixed roof	
	that is in full contact with the liquid and does not contain any vents. As indicated in Table	
	IV-C, applicant is subject to BAAQMD Regulation 8-8-302.1, which requires a "solid,	
	vapor-tight, full contact cover which totally encloses the separator tank, chamber or basin	
	(compartment) liquid contents, with all cover openings closed and sealed." Since no vents	
	exist, there is nothing to route to a control device, so this subsection of Subpart QQQ does	
	not apply.	

X. Revision History

Table IX B - 2 Permit Shield for Subsumed Requirements

S352 - COMBUSTION TURBINE

S353 – COMBUSTION TURBINE

S354 – COMBUSTION TURBINE

Subsumed		OMBUSTION TURBINE	
Requirement		Streamlined	
Citation	Title on Description		Title on Description
NSPS	Title or Description Install and operate a	Requirements BAAQMD 9-9-501, Permit	Title or Description Per BAAQMD regulations and
Subpart GG,	continuous monitoring system	Condition 12122, Part 9b,	permit conditions,
60.334(a)	to monitor and record the ratio	Permit Condition 18629, Part	ConocoPhillips has equipped
00.33 4 (a)	of water to fuel being fired in	IX.G.1.a., and proposed	the turbines with NOx CEMs in
	the turbine.	Subpart GG Amendments:	lieu of monitoring the water-to-
		60.334(b).	fuel-ratio being fired in the
			turbines. Further, proposed
			amendments to Subpart GG (FR
			17990), allow facilities to install
			and operate a NOx CEM in lieu
			of water to fuel ratio monitoring.
NSPS	Monitor nitrogen content of the	Proposed Subpart GG	Per proposed amendments to
Subpart GG, 60.334(b)	fuel being fired in the turbine.	Amendments: 60.334(h)(2).	Subpart GG (FR 17990), facilities that elect to take no
00.334(0)			allowance for fuel bound
			nitrogen in determining the
			applicable NOx standard are not
			required to monitor nitrogen
			fuel content. ConocoPhillips
			will elect to take this approach
			when the proposed amendments
			become effective (May 29,
			2003), resulting in a revised NOx standard per 60.332(a)(2)
			of 150 ppmv at 15% O2 with no
			fuel bound nitrogen monitoring.
NSPS	Definition of excess nitrogen	BAAQMD 9-9-501, Permit	Per proposed amendments to
Subpart GG,	oxide emissions for purposes	Condition 12122, Part 9b,	Subpart GG (FR 17990), the
60.334(c)(1)	of reports under 60.7(c) is	Permit Condition 18629, Part	definition of excess emissions is
	based on any one-hour period	IX.G.1.a., and proposed	revised for facilities that install
	during which the average	Subpart GG Amendments:	and operate a NOx CEMS in
	water-to-fuel ratio falls below	60.334(j)(1)(iii).	lieu of water to fuel ratio
	the water-to-fuel ratio		monitoring. The revised
	determined to demonstrate		definition is based on an
	compliance by the performance test required in 60.8		operating hour in which the 4- hour rolling average NOx
	test required in 60.8		concentration as measured by
			the CEM exceeds the
			60.332(a)(2) limit.

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance December 1, 2003 (Application 16487): Administrative Amendment (no application): May 27, 2004 Reopening (Application 9296): December 16, 2004 Minor Revision (Application 10871): April 12, 2005 Reopening (Application 11699): April 12, 2005 Minor Revision (Application 10622): January 5, 2006 Minor Revision (Application 12995): January 5, 2006 Significant Revision (Application 11626): January 5, 2006 Minor Revision (Application 10115): March 2, 2006 Minor Revision (Application 12217): March 2, 2006 Reopening (Application 12433) November 20, 2006 Reopening (Application 12601) November 20, 2006 Significant Revision (Application 13691) January 18, 2007 Minor Revision (Application 12931) October 15, 2007

Administrative Amendments (no application)
Change Responsible Official from J. Michael
Kenney to Rand Swenson
Change Facility Contact from Valerie Uyeda to
Jennifer Ahlskog
Change District Contact from Brenda Cabral to
Sanjeev Kamboj

X. Revision History

Add names of equipment to headers for Conditions 383, 1440, 6725, 7353, 7523, 12121, 12122, 12124, 12125, 12127, 12129-12133, 12245, 13184, 16677, 18251, 18629, 18680, 19278, 19476, 19488, 20773, 21092, and 21235

Significant Revision (Application 10994)

October 31, 2008

Significant Revision (Applications 13427, 16941, 18744, 18747):

June 18, 2009

Minor Revision (Application 22024):

May 23, 2011

Minor Revision (Application 22568):

May 23, 2011

Major Facility Review Permit Renewal

September 1, 2011

(Application 18231):

(Also includes 14601, 14856, 14857, 14963, 15442, 17052,

19361, 19626, 20802, 21295, and 21343)

XI. GLOSSARY

ACT

Federal Clean Air Act

APCO

Air Pollution Control Officer

ARB

Air Resources Board

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

BARCT

Best Available Retrofit Control Technology

Basis

The underlying authority which allows the District to impose requirements.

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CAPCOA

California Air Pollution Control Officers Association

CEC

California Energy Commission

CEQA

California Environmental Quality Act

CEM

A "continuous emission monitor" is a monitoring device which provides a continuous record of some parameter (e.g. NOx concentration) in an exhaust steam.

CFEP

Clean Fuel Expansion Project

CFR

The Code of Federal Regulations. contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of contain the requirements for air pollution programs.

CO

Carbon Monoxide

CO₂

Carbon Dioxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

DAF

A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT

Dead Weight Tons

District

The Bay Area Air Quality Management District

dscf

Dry Standard Cubic Feet

E 6, E 9, E 12

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, $4.53 ext{ E } 6$ 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 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 Part 63.

HC

Hydrocarbon

Hg

Mercury

HNC

Heavy Neutral Hydrocracker

HNHF

Heavy Neutral Hydrofinisher

HHV

High Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

IFRT

An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

LFSO

Low sulfur fuel oil

Lighter

"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

LNC

Light Neutral Hydrocracker

LNHF

Light Neutral Hydrofinisher

LPG

Liquid Petroleum Gas

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MM

Million

Mo Gas

Motor gasoline

MOP

The District's Manual of Procedures

MTBE

Methyl Tertiary Butyl Ether

NA

Not applicable

NAAQS

National Ambient Air Quality Standards

NESHAPs

National Emission Standards for Hazardous Air Pollutants. See in Parts 61 and 63.

NMHC

Non-methane Hydrocarbons

NMOC

Non-methane Organic Compounds (Same as NMHC)

NOx

Oxides of nitrogen.

NPOC

Non-precursor organic compounds

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2

The chemical name for naturally-occurring oxygen gas.

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

OMMP

Operation, Maintenance and Monitoring Plan

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 72 from Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

Process Unit

For the purpose of startup and shutdown reporting, a process unit is defined as found in Part 60 Subpart GGG:

Process Unit means components assembled to produce intermediates or final products from petroleum, unfinished petroleum derivatives, or other intermediates; a process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both Part 52 and District Regulation 2, Rule 2.

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.

SAM

Sulfuric Acid Mist

SCR

A "selective catalytic reduction" unit is an abatement device which reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

SDA

Solvent deasphalting

Shutdown

For reporting purposes only, a shutdown shall be defined as any of the following: there is no process feed to a unit, no furnace fires, or the boundary blinds are installed.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SMM

Startup, shutdown, and malfunction

SMMP

Startup, shutdown, and malfunction plan

SO₂

Sulfur dioxide

SO2 Bubble

An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources 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

VE

Visible emissions

VGO

Vacuum Gas Oil

VOC

Volatile Organic Compounds

VR

Vapor Recovery

WWT

Wastewater Treatment

Units of Measure:

bbl	=	barrels
bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
mm	=	million, millimeter
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year