## **Bay Area Air Quality Management District**

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

### **Proposed**

## **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**

510 245 4415

J. Michael Kenney, Refinery Manager

**Facility Contact** 

Valerie Uyeda, Environmental Specialist 510 245 5249

**Type of Facility:** Petroleum refinery BAAQMD Engineering Division Contact:

**Primary SIC:** 2911 Brenda Cabral

**Product:** refined petroleum products

#### ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

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## I. 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-1 Boiler	Combustion	process	256 MMbtu/hr
8	(natural gas, refinery fuel gas)	Engineering	heater	
	U240, B-2 Boiler	Born	process	61 MMbtu/hr
9	(natural gas, refinery fuel gas)		heater	
	U240, B-101 Heater	Foster-Wheeler	process	223 MMbtu/hr
10	(natural gas, refinery fuel gas)		heater	
	U240, B-201 Heater	Econo-Therm	process	108 MMbtu/hr
11	(natural gas, refinery fuel gas)		heater	
	U240, B-202 Heater	Econo-Therm	process	42 MMbtu/hr
12	(natural gas, refinery fuel gas)		heater	
	U240, B-301 Heater	Born	process	194 MMbtu/hr
13	(natural gas, refinery fuel gas)		heater	
	U240, B-401 Heater	Selas	process	556 MMbtu/hr
14	(natural gas, refinery fuel gas)		heater	
	U244, B-501 Heater	Alcorn	process	239.75 MMbtu/hr total
15	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-502 Heater	Alcorn	process	239.75 MMbtu/hr total
16	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-503 Heater	Alcorn	process	239.75 MMbtu/hr total
17	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-504 Heater	Alcorn	process	239.75 MMbtu/hr total
18	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-505 Heater	Alcorn	process	239.75 MMbtu/hr total
19	(natural gas, refinery fuel gas)		heater	for S-15 through S-19
	U244, B-506 Heater	Econo-Therm	process	23 MMbtu/hr
20	(natural gas, refinery fuel gas)		heater	

## 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
	U244, B-507 Heater	Econo-Therm	process	8.1 MMbtu/hr
21	(natural gas, refinery fuel gas)		heater	
	U248, B-606 Heater	Econo-Therm	process	31 MMbtu/hr
22	(natural gas, refinery fuel gas)		heater	
	U200, B-5 Heater	Foster-Wheeler	process	103 MMbtu/hr
29	(natural gas, refinery fuel gas)		heater	
	U200, B-101 Heater	Petro-Chem	process	50 MMbtu/hr
30	(natural gas, refinery fuel gas)		heater	
	U200, B-501 Heater	Petro-Chem	process	20 MMbtu/hr
31	(natural gas, refinery fuel gas)		heater	
	U200, B-202 Heater		process	230 MMbtu/hr
43	(natural gas, refinery fuel gas)		heater	
	U200, B-201 PCT Reboil		process	46 MMbtu/hr
	Furnace		heater	
44	(natural gas, refinery fuel gas)			
	U231 B-104 Heater	Foster-Wheeler	process	111 MMbtu/hr
336	(natural gas, refinery fuel gas)		heater	
	U231 B-105 Heater	Foster-Wheeler	process	34 MMbtu/hr
337	(natural gas, refinery fuel gas)		heater	
	U267 B-601/602 Tower Pre-			101 MMbtu/hr
	heaters			
351	(natural gas, refinery fuel gas)			
	U228 B-520 (Adsorber Feed)	Selas		58 MMbtu/hr for S-371,
	Furnace			372
371	(natural gas, refinery fuel gas)			
	U228 B-521 (Hydrogen Plant)	Selas		58 MMbtu/hr for S-371,
	Furnace			372
372	(natural gas, refinery fuel gas)			
	U110, H-1 (H2 Plant	Claudius Peters	reforming	210 MMbtu/hr
	Reforming) Furnace		furnace	
426	(natural gas, refinery fuel gas,			
438	PSA offgas)			

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

Table IV – All Sources
Facility-Specific Generally Applicable Requirements

Applicable Requirement MACT 40 CFR 63 Subpart CC	Regulation Title or Description of Requirement  National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries (8/18/95)	Federally Enforceable (Y/N)	Future Effective Date
63.640(d)(5)	Emission points routed to a fuel gas system	<u>Y</u>	
63.640(p)	Overlap of Subpart CC with other regulations for equipment leaks	<u>Y</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

Permit for Facility #: A0016

## IV. Source Specific Applicable Requirements

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u> NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u> NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

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		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

	t		
		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u> NY</u>	

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

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Condition			
1694			
Part A.1	Heat ratings, firing limits [Basis: Regulation 2-1-234.3]	<u>NY</u>	

		Fug	itive Sourc	Table IV- es: Applic		irements			
Process Unit	BAAQMD Reg. 8-18	BAAQMD Reg. 8-28	NSPS Part 60, Subpart GGG; BAAQMD Reg. 10-59	NSPS Part 60, Subpart QQQ; BAAQMD Reg. 10-69	NSPS Part 60, Subpart VV; BAAQMD Reg. 10-52	NESHAP Part 61, Subpart J	NESHAP Part 61, Subpart FF; BAAQMD Reg. 11-12	NESHAP Part 61, Subpart V; BAAQMD Reg. 11-7	NESHAP Part 63, Subpart CC
Refinery-wide applicability	Y	Y	N	N	N	N	Report only	N	Y
Specific Unit applicability									
Unit 267 (S-350)	Y	Y	Y	N	Y	N	N	N	Y
Unit 228 (S-370)	Y	Y	Y	N	Y	N	N	N	Y
Unit HOHydrogen Manufacturing Unit (S-4378)	Y	Y	Y	N	Y	N	N	N	Y
Unit 100 (S-324, S-1007, S-388 per Condition 1860, Part 3)	Y	Y	N	Y	N	N	N	N	Y
Unit 233 (S-338)	Y	Y	NA	NA	NA	NA	NA	NA	NA

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

Applicable   Regulation Title or   Description of Requirement   Description   Descrip		COM ONE THE COMMENT WILL EXCELL AS TO	Federally	Future	Ī
NSPS Part 60   Subpart VV   applies to the   S-350 crude unit,   S-370	Applicable	Regulation Title or			ı
NSPS Part 60   Subpart VV   applies to the   S.350 crude unit,   S.370   isomerization   unit, S.4378   hydrogen plant   NSPS Part 60   Standards of Performance for Equipment Leaks (Fugitive   Y   Subpart VV;   Emission Sources) (8/18/95);   BAAQMD   BAAQMD Standards of Performance for New Stationary Sources   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12/20/95)   (12					ı
Subpart VV applies to the S-350 crude unit, S-370         S-370 crude unit, S-378         Say of the substantial order of the subs	_		(=,-,)		1
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	60.482-7(e)	Methods for first attempts or minimizing valve leaks	Y		1

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

	COMI ONENTS (PACIEITI-WIDE EACEITAS 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	Pumps in heavy liquid service, pressure relief devices in light liquid	Y	
	or heavy liquid service, and connectors		
60.482-8	Valves in heavy liquid service	¥	
60.482-8	Pressure Relief Devices in liquid service and Flanges and other	¥	
	Connectors Standards		
60.482-9(b)	Repair may be delayed for isolated equipment	Y	
60.482-9(b)	Repair may be delayed for isolated equipment	¥	
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	
60.482-10	Requirements for Closed vent systems and control devices	¥	
60.483-1,	If a process unit has 5 consecutive quarters with <2% of valves	Y	
60.483-2, and	leaking at >10,000 ppm, then any individual valve which measures		
BAAQMD	<100 ppm for 5 consecutive quarters may be monitored annually		
8-18-404.1			
60.485	Test Methods and Procedures	Y	
60.486	Record keeping	Y	
60.487	Reporting	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart VV	Y	
Regulation 10-52			
NSPS Part 60			
Subpart QQQ			
applies to the			
S-1007 dissolved			
air flotation unit			
and the S-324			
DAF unit.			
NSPS Part 60	Standards of Performance for VOC Emission From Petroleum		
Subpart QQQ;	Refinery Wastewater Systems (7/18/95);		
BAAQMD	BAAQMD Standards of Performance for New Stationary Sources		
Regulation 10-69	(12/20/95)		

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# 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
40 CFR 60.690	Applicability	Y	
60.691	Definitions	Y	
60.692-5	Closed vent systems and control devices Standards	¥	
60.692-6	Delay of Repair Standards	Y	
60.695	Monitoring of closed-vent systems with bypass lines	Y	
60.696	Performance test methods and procedures and compliance provisions	Y	
60.697	Recordkeeping	Y	
60.698	Reporting	Y	
BAAQMD	Incorporates by reference 40 CFR 60 Subpart QQQ	Y	
Regulation 10-69			

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## VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included 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) br continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

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

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			528 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		346.5 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-2, S-3,	Condition		
emissions	1694, Part			S-4, S-5, S-7	1694, Part F.3		
Heat input	F.2						

Table VII – A.2

Applicable Limits and Compliance Monitoring Requirements
S-3 – UNIT 230, B-201 HEATER

			D 5	CIVII 250, D 201 11121			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,488 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		346.5 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-2, S-3,	Condition		
emissions	1694, Part			S-4, S-5, S-7	1694, Part F.3		
Heat input	F.2						

 $\begin{tabular}{ll} Table~VII-A.3\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S-4-UNIT~231,~B-101~HEATER\\ \end{tabular}$ 

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			2,304 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		346.5 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-2, S-3,	Condition		
emissions	1694, Part			S-4, S-5, S-7	1694, Part F.3		
Heat input	F.2						

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Table VII – A.4

Applicable Limits and Compliance Monitoring Requirements
S-5 – UNIT 231, B-102 HEATER

			00	O1111 231, D 102 11121			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			2,496 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		346.5 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-2, S-3,	Condition		
emissions	1694, Part			S-4, S-5, S-7	1694, Part F.3		
Heat input	F.2						

 $Table\ VII-A.5$  Applicable Limits and Compliance Monitoring Requirements S-7 – Unit 231, B-103 Heater

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,536 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		346.5 MM btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-2, S-3,	Condition		
emissions	1694, Part			S-4, S-5, S-7	1694, Part F.3		
Heat input	F.2						

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Table VII – A.6

Applicable Limits and Compliance Monitoring Requirements
S-8 – UNIT 240, B-1 BOILER

			5 0	C1111 2-10; D 1 DOI			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			6,144 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,464 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

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Table VII – A.8

Applicable Limits and Compliance Monitoring Requirements
S-10 – UNIT 240, B-101 HEATER

1				C:(11 2 10) B 101 112	_		
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			5,352 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

 $Table\ VII-A.9 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S-11-Unit\ 240,\ B-201\ Heater$ 

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			2,592 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

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Table VII – A.10
Applicable Limits and Compliance Monitoring Requirements
S-12 – UNIT 240, B-202 HEATER

			0 14	C1(11 240, D 202 11E			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,008 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

 $Table\ VII-A.11 \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ S-13-Unit\ 240,\ B-301\ Heater \\$ 

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			4,656 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

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Table VII – A.12
Applicable Limits and Compliance Monitoring Requirements
S-14 – UNIT 240, B-401 HEATER

				Civil 2 10, B 101 111			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			13,344 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		993.7 MM-btu/hr averaged	BAAQMD	P/M	records
combustion	Condition			over any year at S-8, S-9,	Condition		
emissions	1694, Part			S-10, S-11, S-12, S-13, S-	1694, Part F.3		
Heat input	F.1			14			

Table VII – A.13
Applicable Limits and Compliance Monitoring Requirements
S-15 – UNIT 244, B-501 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
-			2400	· · ·		,	V -
All	BAAQMD	<u>NY</u>		5,754 MMbtu/day averaged	BAAQMD	P/D	records
combustion	Condition			over any day at S-15, S-16,	Condition		
emissions	1694, Part			<u>S-17, S-18, S-19</u>	1694, Part		
Heat input	A.1			heat ratings, firing limits	A.5		
				(see condition)			

Table VII – A.14
Applicable Limits and Compliance Monitoring Requirements
S-16 – UNIT 244, B-502 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions <u>H</u>	1694, Part			5,754 MMbtu/day averaged	1694, Part		
eat input	A.1			over any day at S-15, S-16,	A.5		
				<u>S-17, S-18, S-19</u>			

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Table VII – A.15
Applicable Limits and Compliance Monitoring Requirements
S-17 – UNIT 244, B-503 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			5,754 MMbtu/day averaged	1694, Part		
Heat input	A.1			over any day at S-15, S-16,	A.5		
				<u>S-17, S-18, S-19</u>			

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

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			5,754 MMbtu/day averaged	1694, Part		
Heat input	A.1			over any day at S-15, S-16,	A.5		
				<u>S-17, S-18, S-19</u>			

 $Table\ VII-A.17$  Applicable Limits and Compliance Monitoring Requirements S-19 – UNIT 244, B-505 HEATER

				,			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			5,754 MMbtu/day averaged	1694, Part		
Heat input	A.1			over any day at S-15, S-16,	A.5		
				<u>S-17, S-18, S-19</u>			

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

				C1111 2 1 1, D C 00 11E			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			552 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

## $Table\ VII-A.19$ Applicable Limits and Compliance Monitoring Requirements $S\text{-}21-U\text{NIT}\ 244,\ B\text{-}507\ Heater}$

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			194.4 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

#### Table VII – A.20 Applicable Limits and Compliance Monitoring Requirements S-22 – UNIT 248, B-606 HEATER

			~ ==	C1111 2 10, 2 000 112			
			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			744 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

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

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			2,472 MMbtu/hr	1694, Part		
Heat input	A.1				A.5		

 $\begin{array}{c} Table~VII-A.22\\ Applicable~Limits~and~Compliance~Monitoring~Requirements\\ S-30-UNIT~200,~B-101~HEATER \end{array}$ 

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,200 MMbtu/hr	1694, Part		
Heat input	A.1				A.5		

 $Table\ VII-A.23$  Applicable Limits and Compliance Monitoring Requirements S-31 – UNIT 200, B-501 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			480 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

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Table VII – A.25
Applicable Limits and Compliance Monitoring Requirements
S-43 – UNIT 200, B-202 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			5,520 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

 $\begin{array}{c} \textbf{Table VII-A.26} \\ \textbf{Applicable Limits and Compliance Monitoring Requirements} \\ \textbf{S-44-Unit 200, B-201 Heater} \end{array}$ 

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,104 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

Table VII – A.29
Applicable Limits and Compliance Monitoring Requirements
S-336 – UNIT 231, B-104 HEATER

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			2,664 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

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Table VII – A.30 Applicable Limits and Compliance Monitoring Requirements S-337 – UNIT 231, B-105 HEATER

Type of	Citation	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Туре
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			816 MMbtu/day	1694, Part		
Heat input	A.1				A.5		

 $Table\ VII-A.31$  Applicable Limits and Compliance Monitoring Requirements S-351 – UNIT 267, B-601/602 HEATERS

			Future		Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions <u>H</u>	1694, Part			2,424 MMbtu/day	1694, Part		
eat input	A.1				A.5		

Table VII – A.32
Applicable Limits and Compliance Monitoring Requirements
S-371 – 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
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,392 MMbtu/day averaged	1694, Part		
Heat input	A.1			over any day at S-371 and	A.5		
				<u>S-372</u>			

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Table VII – A.33
Applicable Limits and Compliance Monitoring Requirements
S-372 – UNIT 228, B-521 FURNACE

			Future	Ź	Monitoring	Monitoring	
Type of	Citation	FE	Effective		Requirement	Frequency	Monitoring
Limit	of Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			1,392 MMbtu/day averaged	1694, Part		
Heat input	A.1			over any day at S-371 and	A.5		
				<u>S-372</u>			

Table VII – A.34
Applicable Limits and Compliance Monitoring Requirements
S-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
All	BAAQMD	<u>NY</u>		heat ratings, firing limits	BAAQMD	P/D	records
combustion	Condition			(see condition)	Condition		
emissions	1694, Part			5,040 MMbtu/day	1694, Part		
Heat input	A.1				A.5		
all	BAAQMD	Y		2.04 E 12 btu/yr fuel	BAAQMD	P/D	records
combustion	Condition			combustion at S-438	Condition		
emissions	1694, Part				1694, Part		
Heat input	E.2				E.6		

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 $\begin{tabular}{ll} Table\ VII-AB \\ Applicable\ Limits\ and\ Compliance\ Monitoring\ Requirements \\ COMPONENTS \end{tabular}$ 

			Future	COMPONENTS	Manitanina	Manitanina	
Tyme of	Citation of	FE	Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Type of				<b>T</b> • •/	•		Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	40 CFR	Y		Pump leak ≥ 10,000 ppm	40 CFR	P/M	Measure for
	60.482-2				60.482-2		leaks
	(b)(1)				(a)(1)		
POC	40 CFR	Y		Pump leak Indicated by	40 CFR	P/W	Visual
	60.482-2			dripping liquid	60.482-2		Inspection
	(b)(2) 40 CFR				(a)(2) 40 CFR		
POC		Y		Designated "No detectable	60.482-	P/A	Measure for
	60.482-2(e)			emissions" ≤ 500 ppm			leaks
	40 CFR				2(e)(3) 40 CFR	5/5 1	
POC	60.482-8	Y		Pump leak ≥ 10,000 ppm	60.482-8 (a)	P/5 days	Visual,
					00.462-6 (a)		audible,
	(b)						olfactory
							Inspection;
							Measure for
							leaks
POC	40 CFR	Y		Pressure relief valve	40 CFR	P/E	Measure for
	60.482-4(b)			(gas/vapor) leak ≥ 500 ppm	60.482-4(b)		leaks within
				within 5 days after a			5 days after
				pressure release event			release
POC	40 CFR	Y		Valve leak ≥ 10,000 ppm	40 CFR	P/M	Measure for
	60.482-7(b)				60.482-7(a)		leaks
POC	40 CFR	Y		Valve leak ≥ 10,000 ppm; 2	40 CFR	P/Q	Measure for
	60.482-7(b)			successive months w/o	60.482-7(c)		leaks
				leaking			
POC	40 CFR	Y		Designated "No detectable	40 CFR	P/A	Measure for
100	60.482-7(f)	-		emissions" ≤ 500 ppm	60.482-7	1,11	leaks
				compositions = 2000 pp.m	(f)(3)		Touris
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
							T. S. T. T. T.
				Connectors leak shall be measured for leak in 5 days if detected by inspection			

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## Table VII – AB Applicable Limits and Compliance Monitoring Requirements COMPONENTS

			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	40 CFR 60.482-8(b)	Y		Pressure Relief devices (liquid), Flanges, Connectors leak ≥ 10,000	40 CFR 60.482-8(a)	P/E	Measure for leaks
POC	40 CFR 60.482-10 (b)	¥		ppm  Closed vent systems and control devices: Vapor recovery systems ≥ 95%	None	N	None
POC	40 CFR 60.482-10 (e)	¥		Combustion devices ≥ 95% destruction efficiency or ≥ 0.75 seconds and ≥ 816°C	None	N	None
POC	40 CFR 60.482 10 (g)	¥		Closed-vent systems leak ≥ 500 ppm and visible leak indication	40 CFR 60.482 10 (f)	<del>P/A</del>	Measure for leaks; Visual Inspection
POC	40 CFR 60.692-5 (a)	¥		Closed vent systems using combustion devices shall have 0.75 seconds residence and minimum temp of 816C	40 CFR 60.692-5 (e)(5)	<del>P/E</del>	Repair after emissions are detected within 30 days
POC	40 CFR 60.692-5 (b)	¥		Vapor recovery greater than or equal to 95%	None None	· A	None
POC	40 CFR 60.692-5 (e)(1)	¥		Closed-vent systems <500 ppm above background	40 CFR 60.692-5 (e)(1)	P/SA	Measure for leaks

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#### X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 16487):	December 1, 2003
Administrative Amendment (no application):	May 27, 2004
Reopening (Application 9296):	December 16, 2004
Reopening (Application):	