

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20363

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission Rates*</u>	
Point No. (1)	Name (2)	Name (3)	#/hr	TPY
732COB	FCCU CO Boiler (5)	NOx	167.1	551.45
		SO2	1055.1	551.45
		CO	34.96	153.1
		SO3		
		PM10	306.3	1341.5
		VOC	3.1	13.4
		Antimony	0.02	0.09
732COB	FCCU CO Boiler Wet Gas Scrubber (6)	NOx	412.8	900.0
		SO2	396.2	1500.0
		CO	502.8	180.0
		SO3	33.7	52.8
		PM	75.1	329.3
		VOC	3.1	13.4
		Antimony	0.02	0.09
H-1	Feed Heater (7)	NOx	33.8	148.0
		SO2	2.63	11.5
		CO	3.9	17.1
		VOC	0.14	0.60
		PM10	0.49	2.10
H-1	Feed Heater (8)	NOx	6.3	27.6
		SO2	2.6	5.8
		CO	4.0	17.5
		VOC	0.1	0.6
		PM10	0.5	2.2
		SO3	0.1	0.4
H-1A	Feed Heater (7)	NOx	33.8	148.0

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission Rates*</u>	
Point No. (1)	Name (2)	Name (3)	#/hr	TPY
			SO2	2.63
			CO	3.9
			VOC	0.14
			PM10	0.49
				11.5
				17.1
				0.60
				2.1
H-1A	Feed Heater (8)		NOx	6.3
			SO2	2.6
			CO	4.0
			VOC	0.1
			PM10	0.5
			SO3	0.1
				27.6
				5.8
				17.5
				0.6
				2.2
				0.4
732FUG	Fugitive (4)(9)		VOC	7.51
				32.9

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
SO3 - sulfur trioxide
PM - particulate matter
PM10 - particulate matter less than 10 microns in diameter
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Allowable before installation of wet gas scrubber.
- (6) Allowable after installation of wet gas scrubber.
- (7) Allowable before January 15, 1998.
- (8) Allowable after January 15, 1998.
- (9) The permit holder shall be in compliance with General Provsion No. 7 no later than the fourth quarter of 1994.

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission Rates*</u>
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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>#/hr</u>	<u>TPY</u>
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* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year 8760

Dated_____