

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2958A

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
Case I:Firing a blend of fuel gas (50 percent - 100 percent of heat input) and residual waste (0 percent - 50 percent of heat input) for up to 12 months.				
E02B004**	Boiler No. 4 (4)	PM	4.46	19.53
		VOC	0.93	4.07
		NO _x	177.70	778.33
		SO ₂	0.20	0.88
		CO	13.75	60.23
E02B005**	Boiler No. 5	PM	4.46	19.53
		VOC	0.93	4.07
		NO _x	177.70	778.33
		SO ₂	0.20	0.88
		CO	13.75	60.23
E02B030***	Boiler No. 53	PM	52.45	25.00
		VOC	1.91	2.60
		NO _x	46.80	170.82
		SO ₂	9.08	21.99
		CO	33.09	131.58
F02B001-01 0.73	Boiler No. 53 Fugitives	VOC		0.17

Case II: Firing 100 percent fuel oil with 0.3 weight percent sulfur for one month.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
E02B004**	Boiler No. 4 (4)	PM	9.62	3.51
		VOC	1.22	0.45
		NO _x	107.41	39.20
		SO ₂	75.50	27.56
		CO	8.02	2.93

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			lb/hr	TPY
E02B005**	Boiler No. 5	PM	9.62	3.51
		VOC	1.22	0.45
		NO _x	107.41	39.20
		SO ₂	75.50	27.56
		CO	8.02	2.93
E02B006**	Boiler No. 6 (4)	PM	9.60	3.50
		VOC	1.20	0.40
		NO _x	107.40	39.20
		SO ₂	75.50	27.60
		CO	8.00	2.90
Case III: Firing 100 percent fuel gas up to 12 months.				
E02B004**	Boiler No. 4	PM	1.60	7.01
		VOC	0.50	2.19
		NO _x	177.70	778.33
		SO ₂	0.20	0.88
		CO	12.90	56.50
E02B005**	Boiler No. 5	PM	1.60	7.01
		VOC	0.50	2.19
		NO _x	177.70	778.33
		SO ₂	0.20	0.88
		CO	12.90	56.50
E02B006**	Boiler No. 6	PM	1.60	7.01
		VOC	0.50	2.19
		NO _x	177.70	778.33
		SO ₂	0.20	0.88
		CO	12.90	56.50
E02B030***	Boiler No. 53	PM	2.21	9.68
		VOC	0.97	0.75
		NO _x	26.46	115.89
		SO ₂	6.03	21.99

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- (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) PM - particulate matter equal to or less than 10 microns in diameter.
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Boiler Nos. 4 and 6 will be permanently shut down with the start-up of new Boiler No. 53.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** The emission rates (ERs) are based on the boilers' maximum design heat input capacity of 210 MMBtu/hr and firing with the fuels or fuel combinations listed in the maximum allowable emission rates table.

*** The ERs are based on the Boiler No. 53 maximum design heat input capacity of 441 MMBtu/hr and 390 MMBtu/hr when firing 100

percent plant mixed fuel gas only, and the fuel gas/residual waste fuel combination, respectively.

Dated _____