

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u> #/hr TPY	
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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18426

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)	<u>Emission Rates *</u> lb/hr TPY	
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U-5	525 MW Coal-Fired Steam Electric Generating Unit	NO _x	2783	12187
		CO	2050	2694
		SO ₂	6678	12187
		VOC	110	48
		PM	167	731
		Be	0.04	0.18
		Pb	0.04	0.16
		Hg	1.15	5.04
		HF	0.8	3.6
		H ₂ SO ₄	28.5	124.7

<u>Averaging Time</u>			<u>lb/hr</u>	<u>lb/MMBtu</u>
U-5	30-day rolling average	NO _x		0.5
	30-day rolling average	CO	615	
	30-day rolling average	SO ₂ (5)	2783	0.5
	3-hour rolling average	SO ₂ (5)	3339	0.6
	1-hour average	SO ₂		1.2
	30-day rolling average	VOC	11	
	1-hour average	PM (6)		0.03

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			#/hr	TPY
	Source Name (2)		lb/hr	TPY (4)
A-1	63.5 MMBTU/ HR Auxiliary Boiler	NO _x	8.9	4.1
		CO	2.2	1.0
		SO ₂	0.04	0.02
		VOC	0.18	0.08
		PM/PM ₁₀	0.32	0.15
A-2	63.5 MMBTU/ HR Auxiliary Boiler	NO _x	8.9	4.1
		CO	2.2	1.0
		SO ₂	0.04	0.02
		VOC	0.18	0.08
		PM/PM ₁₀	0.32	0.15

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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter
PM₁₀ - particulate matter < 10 microns in diameter
CO - carbon monoxide
Be - beryllium
Pb - lead
Hg - mercury
HF - hydrogen fluoride
H₂SO₄ - sulfuric acid mist
- (4) Annual emissions for Boilers A-1 and A-2 are based on an annual capacity factor of 10.5 percent. The annual capacity factor is defined as the total amount of fuel as MMBtu (HHV) consumed by the boiler divided by the total amount of fuel as MMBtu (HHV) which the boiler could have consumed if operated at maximum capacity for 8,760 hours/year.
- (5) 70 percent reduction.
- (6) As determined by EPA Reference Method 5, front half of sampling train only.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/year 8,760

Dated_____