

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PSD-TX-714

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		Air Contaminant		Emission Rates *	
	Name (2)	Name (3)	lb/hr	TPY		
1-1	150 MWe FBC Stack		PM**	47.1	207	
			NOx	935	4098	
			SO2	904	3961	
			CO	101	441	
			H2SO4	9.3	20.5	
			Hg	0.3	1.3	
			Ni	1.0	3.1	
1-2	Fly Ash Silo Vent		PM	0.21	0.23	
1-3	Fly Ash Handling System		PM	0.54	2.37	
1-4	Bottom Ash Bin Vent		PM	0.14	0.20	
1-5	Standby Generator		PM	0.72	0.45	
			NOx	4.42	2.76	
			SO2	0.33	0.21	
			CO	0.53	0.33	
1-6	Limestone Day Bin 1		PM	1.29	1.40	
1-7	Limestone Day Bin 2		PM	1.29	1.40	
1-8	Tripper Deck		PM	0.51	0.20	
1-9	Na2CO3 Silo Vent		PM	0.26	0.10	
1-10	CaO Silo Vent		PM	0.26	0.033	
2-1	150 MWe FBC Stack		PM**	47.1	207	
			NOx	935	4098	

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SO2	904	3961
CO	101	441
H2SO4	9.3	20.5
Hg	0.3	1.3
Ni	1.0	3.1

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
2-2	Fly Ash Silo Vent		PM	0.21	0.23
2-3	Fly Ash Handling System		PM	0.54	2.37
2-4	Bottom Ash Bin Vent		PM	0.14	0.20
2-5	Standby Generator		PM	0.72	0.45
			NOx	4.42	2.76
			SO2	0.33	0.21
			CO	0.53	0.33
2-6	Limestone Day Bin 1		PM	1.29	1.40
2-7	Limestone Day Bin 2		PM	1.29	1.40
2-8	Tripper Deck		PM	0.51	0.20
C-1	Transfer Tower		PM	0.51	0.20
C-2	Transfer to Storage		PM	0.30	0.12
C-3	Stackout Chute		PM	3.75	1.50
C-4	Reclaimer		PM	4.88	1.95
C-5	Reclaimer to Conveyer		PM	0.30	0.12
C-6	Stackout Chute		PM	3.75	1.50
C-7	Transfer Point		PM	0.30	0.12

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C-8	Crusher Building	PM	0.51	0.20
C-9	Transfer Point	PM	0.51	0.20
L-1	Unloading	PM	0.51	0.28
L-2	Limestone Silo Vent	PM	0.26	0.03

- (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
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
H2SO4 - sulfuric acid mist
Hg - total mercury emissions
Ni - total nickel emissions

* 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

** PM emission rate is for front-half of sampling train only for Emission Points 1-1 and 2-1.

Revised _____

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