

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2399

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
LHS307	Coal Stockpile Wind Erosion and Maintenance (4)	PM	27.62	17.32
		PM ₁₀	9.46	5.39
L3DSP	Coal Stockpile Wind Erosion and Maintenance (4)	PM	22.13	10.69
		PM ₁₀	6.81	2.84
L3SSS	Coal Stockpile Wind Erosion and Maintenance (4)	PM	3.52	3.36
		PM ₁₀	1.16	1.20
L3SRW	Coal Stockpiles Wind Erosion and Maintenance (4)	PM	2.15	9.43
		PM ₁₀	1.08	4.72
FUG (5)	Coal Handling and Processing	PM	10.00	11.54
FA1A-1	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA1A-2	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA1A-3	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA1A-4	Fly Ash Silo Exhaust Vent	PM	0.74	3.24
		PM ₁₀	0.74	3.24

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
FA1B-1	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA1B-2	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA1B-3	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA1B-4	Fly Ash Silo Exhaust Vent	PM	0.74	3.24
		PM ₁₀	0.74	3.24
FAS1-1FUG	Fly Ash Silo 1 (FA) Loading Fugitives (4)	PM	0.30	1.32
		PM ₁₀	0.14	0.63
FAS1-2FUG	Fly Ash Silo 1 (FA) Loading Fugitives (4)	PM	0.30	1.32
		PM ₁₀	0.14	0.63
FA2A-1	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA2A-2	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA2A-3	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA2A-4	Fly Ash Silo Exhaust Vent	PM	0.74	3.24
		PM ₁₀	0.74	3.24
FA2B-1	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA2B-2	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11
FA2B-3	Fly Ash Silo Exhaust Vent	PM	2.31	10.11
		PM ₁₀	2.31	10.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
FA2B-4	Fly Ash Silo Exhaust Vent	PM	0.74	3.24
		PM ₁₀	0.74	3.24
FAS2-1FUG	Fly Ash (FA) Loading Fugitives (4)	PM	0.30	1.32
		PM ₁₀	0.14	0.63
FAS2-3FUG	Fly Ash (FA) Loading Fugitives (4)	PM	0.30	1.32
		PM ₁₀	0.14	0.63
FAS10-1 and 2	Vacuum Pump Exhaust Vent	PM	0.70	3.04
		PM ₁₀	0.70	3.04
FAS10-3 and 4	Vacuum Pump Exhaust Vent	PM	0.70	3.04
		PM ₁₀	0.70	3.04
FAS10-5	Vacuum Pump Exhaust Vent	PM	0.35	1.52
		PM ₁₀	0.35	1.52
FAS20-1 and 2	Vacuum Pump Exhaust Vent	PM	0.70	3.04
		PM ₁₀	0.70	3.04
FAS20-3 and 4	Vacuum Pump Exhaust Vent	PM	0.70	3.04
		PM ₁₀	0.70	3.04
FAS20-5	Vacuum Pump Exhaust Vent	PM	0.35	1.52
		PM ₁₀	0.35	1.52
FAS30-1	Vacuum Pump Exhaust Vent	PM	0.47	2.07
		PM ₁₀	0.47	2.07
FAS30-2	Vacuum Pump Exhaust Vent	PM	0.47	2.07
		PM ₁₀	0.47	2.07
FAS30-3	Vacuum Pump	PM	0.47	2.07

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	Exhaust Vent	PM ₁₀	0.47	2.07
FAS30-4	Vacuum Pump	PM	0.47	2.07
	Exhaust Vent	PM ₁₀	0.47	2.07
FAS30-5	Vacuum Pump	PM	0.47	2.07
	Exhaust Vent	PM ₁₀	0.47	2.07

- (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, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Coal Process Equipment represented throughputs in Table 1(a) dated March 6, 1995.

Source Name	Emission Type	Hourly
Receiving Hopper transfer to Conveyor 301	Exhaust Vent	4,800
Rail Receiving Hopper	Transfer	4,800
Conveyor 302 transfer to Unit 3 Surge Silo Stackout Pile	Transfer	1,800
Conveyor 301 transfer to Live Storage Silo	Exhaust Vent	4,800
Live Storage Silo transfer to Conveyor 304	Exhaust Vent	2,600
Unit 3 Surge Silo Stackout transfer to Conveyor 304	Exhaust Vent	2,600
Unit 3 Surge Silo Stackout transfer to Conveyor 303	Transfer	1,200
Conveyor 304 transfer to Crusher Tower	Exhaust Vent	2,600
Conveyor 304 Bypass to Stacker/Reclaimer Conveyor 305	Exhaust Vent	2,600
Conveyor 305 transfer to Crusher Tower	Exhaust Vent	1,800
Crushers (2)	Exhaust Vent	1,800
Crushers transfer to Conveyor 306	Exhaust Vent	1,800

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Crushers transfer to Conveyor 307	Exhaust Vent	1,800
Conveyor 306 transfer to Conveyor 308	Exhaust Vent	1,800
Source Name	Emission Type	Hourly
Conveyor 307 transfer to Conveyor 309	Exhaust Vent	1,800
Conveyor 308 transfer to Transfer Tower 32 Surge Bin	Exhaust Vent	1,800
Conveyor 309 transfer to Transfer Tower 32 Surge Bin	Exhaust Vent	1,800
Transfer Tower 32 Surge Bin transfer to Conveyor 310	Exhaust Vent	600
Transfer Tower 32 Surge Bin transfer to Conveyor 312	Exhaust Vent	
Conveyor 310 transfer to Conveyor 311	Exhaust Vent	600
Conveyor 311 transfer to Pulverizer Silos	Exhaust Vent	600
Conveyor 312 transfer to Conveyor 313	Exhaust Vent	600
Conveyor 313 transfer to Pulverizer Silos	Exhaust Vent	600
Bypass Chute transfer to Unit 3 Surge Silo Stackout Pile	Transfer	4,800
S/R Reversible Belt 305A transfer to piles	Transfer	2,600
S/R Reversible Belt 305A transfer to piles	Transfer	2,600
S/R Reversible Belt 305A transfer to Belt 305C	Transfer	1,800
S/R Belt 305C reclaim to Belt 305	Transfer	1,800
S/R Belt 305B transfer to Belt 305A	Transfer	2,600
Conveyor 305 transfer to Belt 305B	Transfer	2,600
Telescopic Chute transfer to Units 1 & 2 Live Storage	Transfer	1,200
Units 1 & 2 Live Storage Surge Pile transfer to Conveyor	Exhaust Vent	1,800
Conveyor 303 transfer to Telescopic Chute	Transfer	1,200

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

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

Coal Handling: 2,600 tons per hour (tons/hr) (Conveyor 304 into crusher tower) 6,000,000 tons per year (tons/yr) (total)

Fly Ash Handling (truck and railcar facilities): 1,600 tons/hr/silo or 3,000,000 tons/yr/silo

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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>

Dated March 22, 2005