

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY

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Permit No. PSD-TX-742M1

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 except as noted. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

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
		Hg	1.15	5.04
		HF	0.8	3.6
		H ₂ SO ₄	28.5	124.7

	Averaging Time		lb/hr	lb/MMBtu
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
	P-C02 **	Unloading to Conveyor 2	PM ₁₀ (4)	0.12
P-C30 **	South Reclaim - Load to Hopper	PM ₁₀ (4)	0.70	0.09

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DC-2	**	South Reclaim-Hopper to Conveyor 4	PM ₁₀	0.01	<0.01
DC-3	**	Transfer Bldg No. 1A	PM ₁₀	0.01	0.01
DC-4A	**	Coal Storage Silos - Loading	PM ₁₀	0.04	0.02
DC-4B	**	Coal Storage Silos - Unloading	PM ₁₀	0.01	0.01
P-C07	**	Conveyor Transfer to North Lowering Well	PM ₁₀ (4)	0.12	0.01
P-C10	**	Loadout from North Lowering Well to Pile	PM ₁₀ (4)	0.92	0.07
DC-5	**	Crusher Bldg. No. 2	PM ₁₀	0.56	0.58
DC-7	**	Transfer Bldg. No. 4	PM ₁₀	0.01	0.01
DC-101	**	Transfer Bldg. No. 5 and Plant Silos	PM ₁₀	0.02	0.02
P-B28		Bottom Ash Storage Pile Load-Out	PM	0.0342	0.0132
P-B29		Dump to Bottom Ash Haul Trucks	PM	0.0342	0.0132
L-B30		Bottom Ash Paved Haul Road	PM	0.0018	0.0012
P-B31		Dump to Bottom Ash Landfill	PM	0.0481	0.0185
P-E34		Dump to Storage Silo	PM	0.0001	0.0001
P-E35		Load-Out Trucks	PM	0.0030	0.0001

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			lb/hr	TPY		
L-E36	Econo. Ash Paved Haul Road			PM	0.0126	0.0010
P-F40	Load-Out by Telescopic Chute			PM	0.0030	0.0026
P-F40a	Fly Ash Blend w/Scrubber Sludge Filter Cake			PM	0.0015	0.0004
P-L46	Dump to Truck Hoppers			PM	0.0042	0.0001
P-L47	Vibrating Feed. to Conveyor			PM	0.0006	0.0001
P-L49	Dump to Silo Head House			PM	0.0013	0.0001
P-L50	Dump to Silos			PM	0.0013	0.0001
P-L51	Dump to Storage Piles			PM	0.0200	0.0044
P-L52	Limestone Storage Pile-out			PM	0.0561	0.0031
P-L53	Dump to Truck Hoppers			PM	0.0196	0.0011
A-L55	Limestone Pile Maintenance and Traffic			PM	0.0048	0.0210

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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) 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) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
 - (5) 70 percent reduction.
 - (6) Determined by EPA Reference Method 5, front-half of sampling train only.
- ** Based on a maximum annual throughput of 10,557,552 tons of coal for No. 1 J. T. Deely, No. 2 J. T. Deely, and No. 1 J. K. Spruce Combustion Units.
- * 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

Dated_____