

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 78759 and PSD-TX-1065

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*
BB-B3S	Unit 3 Pulverized Coal Boiler Stack (8,647 MMBtu/hr)	NO _x (1-hr)	1,730	1,893.7
		NO _x (30-day)	605.3	--
		SO ₂ (1-hr)	3,115	3,787.4
		SO ₂ (3-hr)	2,594	--
		SO ₂ (30-day)	1,038	--
		PM/PM ₁₀ (5)	129.7	568.1
		PM/PM ₁₀ (6)	345.9	1,514.9
		CO (1-hr)	3,458.8	5,681
		VOC	46.7	136.4
		H ₂ SO ₄ 124	140.13	
		H ₂ SO ₄ (24-hr)	99	--
		NH ₃ 59.2	77.8	
		HF 143.2	28.03	
		HCl 520.4	56.81	
		Pb 0.58	0.44	
		Hg 0.99	0.08	
BB-AB3S	Auxiliary Boiler 3 Stack (250 MMBtu/hr)	NO _x	9.0	3.94
		SO ₂	0.56	0.25
		CO	18.75	8.21
		PM/PM ₁₀	1.86	0.82
		VOC	1.35	0.59
BB-DEG3S	Diesel Emergency Generator 3 Stack	NO _x	105.00	45.99
		SO ₂	1.77	0.78
		CO	24.06	10.54
		PM/PM ₁₀	3.06	1.34
		VOC	2.81	1.23

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			lb/hr	TPY*
BB-DFWP3S	Diesel Fire Pump Stack	NO _x	13.95	6.11
		CO	3.01	1.32
		SO ₂	0.18	0.08
		PM/PM ₁₀	0.99	0.43
		VOC	1.11	0.49
BB3CTHF	Coal Transfer Hopper Fugitives (4)	PM	0.84	0.65
		PM ₁₀	0.13	
BB3CTHBFF	Coal Transfer Hopper Belt Feeders Fugitives (4)	PM	0.01	0.01
		PM ₁₀	0.01	0.01
BB3CLW1F	Coal Lowering Well 1 Fugitives (4)	PM	0.01	0.01
		PM ₁₀	0.01	
BB3CLW2F	Coal Lowering Well 2 Fugitives (4)	PM	0.01	0.01
		PM ₁₀	0.01	
BB3CASPAF	Coal Active Storage Pile A Fugitives (4)	PM	0.15	0.65
		PM ₁₀	0.03	0.13
BB3CASPBF	Coal Active Storage Pile B Fugitives (4)	PM	0.15	0.65
		PM ₁₀	0.03	0.13
BB3CASPRF	Coal Active Storage Pile Reclaim Fugitives (4)	PM	0.01	0.01
		PM ₁₀	0.01	0.01
BB3CCTDCV	Coal Crusher Tower Dust Collection Vent	PM	0.03	0.05
		PM ₁₀	0.01	0.01
BB3CESPF	Coal Emergency Storage Pile Fugitives (4)	PM	0.05	0.20
		PM ₁₀	0.01	0.04
BB3CDC1V	Coal Dust Collector 1 Vent	PM	0.01	0.01
		PM ₁₀	0.01	

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			<u>lb/hr</u>	<u>TPY*</u>
BB3CDC2V	Coal Dust Collector 2 Vent	PM	0.01	0.01
		PM ₁₀ 0.01	0.01	
BB3CISPAF	Coal Inactive Storage Pile A Fugitives (4)	PM	0.92	4.03
		PM ₁₀	0.18	0.77
BB3CISPBF	Coal Inactive Storage Pile B Fugitives (4)	PM	0.63	2.76
		PM ₁₀	0.12	0.53
BB3LSSAV	Unit 3 Lime Storage Silo A Vent	PM	0.05	0.03
		PM ₁₀ 0.03	0.02	
BB3LSSBV	Unit 3 Lime Storage Silo B Vent	PM	0.05	0.03
		PM ₁₀ 0.03	0.02	
BB3FAFSVA	Unit 3 Fly Ash Filter/Separators Vent A	PM	0.11	0.46
		PM ₁₀	0.04	0.16
BB3FAFSVB	Unit 3 Fly Ash Filter/Separators Vent B	PM	0.11	0.46
		PM ₁₀	0.04	0.16
BB3FASSV	Unit 3 Fly Ash Storage Silo Vent	PM	0.21	0.46
		PM ₁₀	0.08	0.16
BB3FASSWUF	Unit 3 Fly Ash Storage Silo Wet Unloading Fugitives (4)	PM	0.03	0.02
		PM ₁₀	0.01	0.01
BB3SSSV	Unit 3 Sorbent Storage Silo Vent	PM	0.19	0.01
		PM ₁₀	0.07	0.01
BBDEG3STV	Diesel Emergency Generator 3 Storage Tank Vent (2,000 gallons)	VOC	0.06	0.01
BBDFWP3STV	Diesel Fire Water Pump Storage Tank Vent (350 gallons)	VOC	0.01	0.01

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BB3CT1V	Cooling Tower 1	PM	8.72	38.2
		PM ₁₀	1.46	6.38
BB3CT2V	Cooling Tower 2	PM	8.72	38.2
		PM ₁₀	1.46	6.38
BB3AMMPF	Ammonia Piping Fugitives (4)	NH ₃	0.04	0.19

- (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 Title 30 Texas Administrative Code § 101.1
- 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 PM greater than 10 microns is emitted.
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- NH₃ - ammonia
- CO - carbon monoxide
- H₂SO₄ - sulfuric acid mist
- Pb - lead
- HCl - hydrogen chloride
- HF - hydrogen fluoride
- Hg - mercury

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- (4) Fugitives emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) The PM emission rate is for front-half only, excluding back-half condensibles.
- (6) The PM emission rate is for front and back-half condensibles, for the concentration of PM₁₀.

* Compliance with annual emission limits is based on a rolling 12-month period.

** 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/yr 8,760