

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 83778, PSDTX1118, and HAP18

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**
B2	Unit 2 Boiler 6670 MMBtu/hr average	NO _x	400	1461
		CO	1001	3506
		SO ₂	667	1753
		PM/PM ₁₀ (total)	167	730
		PM (front-half only)	80.0	351
		VOC	22.7	99.0
		H ₂ SO ₄	26.7	117
		HF	3.34	14.6
		HCl	5.20	22.8
		Hg	1.13E-02	0.05
		Pb	0.062	0.3
		NH ₃	37.5	115
B2	Unit 2 Boiler Start-up and Shutdown***	NO _x	1112	-
		HF	7.8	-
		HCl	23.5	-
		Hg	2.10E-02	-
		Pb	0.42	-
EDG2A	Emergency Diesel Generator	NO _x	32.9	8.2
		CO	4.2	1.1
		SO ₂	0.8	0.2
		PM/PM ₁₀	1.3	0.3
		VOC	2.4	0.6

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FP2C	Fire Pump	NO _x	5.2	1.3
		CO	0.5	0.1
		SO ₂	<0.01	<0.1
		PM/PM ₁₀	0.1	<0.1
		VOC	0.1	<0.1
FBP2D	Fire Booster Pump	NO _x	3.9	1.0
		CO	0.2	0.1
		SO ₂	<0.01	<0.1
		PM/PM ₁₀	0.1	<0.1
		VOC	0.2	0.1
Coal P-1	Car Dumper to Unload Hopper	PM/PM ₁₀	No Increase (5)	0.005 (5)
Coal P-2	Vibrating Feeders 1 and 2 to Conveyor A	PM/PM ₁₀	No Increase (5)	0.002 (5)
Coal P-3	Sample House 1	PM/PM ₁₀	No Increase (5)	0.009 (5)
Coal P-4	Conveyor B to Active Coal Pile	PM/PM ₁₀	No Increase (5)	0.003 (5)
Coal P-5	Conveyor B1 to Active Coal Pile	PM/PM ₁₀	No Increase (5)	0.003 (5)
Coal P-6	Belt Feeders 1A and 1B to Conveyor C	PM/PM ₁₀	No Increase (5)	0.001 (5)
Coal P-7	Belt Feeders 2A and 2B to Conveyor C1	PM/PM ₁₀	No Increase (5)	0.001 (5)
Coal P-8	Sample House 2	PM/PM ₁₀	No Increase (5)	No Increase (5)
Coal P-9	Unit 1 Bunker	PM/PM ₁₀	No Increase (5)	0.0001 (5)
Coal P-10	Unit 2 Silos	PM/PM ₁₀	No Increase (5)	0.0001 (5)

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Coal Pile	Coal Pile	PM/PM ₁₀ (4)	0.37 (6)	1.63 (6)
Lime Handling	Lime Handling	PM/PM ₁₀	0.2	0.8
PAC Handling	PAC Handling	PM/PM ₁₀	0.034	0.15
Urea Handling	Urea Handling	PM/PM ₁₀	0.03	0.11
FGD Reagent Preparation	FGD Reagent Preparation	PM/PM ₁₀	<0.01	0.01
Fly Ash & FGD Byproducts (5)	Fly Ash and FGD Byproducts	PM/PM ₁₀	0.51	2.25

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - HCl - hydrogen chloride
 - HF - hydrogen fluoride
 - H₂SO₄ - sulfuric acid
 - Pb - lead
 - Hg - mercury
 - NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These sources are existing at Coletto Creek Station and authorized in Permit Number 3687. The emissions in this permit are for the additional emissions created due to Boiler 2. Pound per hour emission rates noted represent no increase over currently authorized rates and are also authorized for B2. Throughput will increase resulting in the additional TPY authorization.
- (6) This source is existing at Coletto Creek Station and authorized in Permit 3687. Size and throughput will increase resulting in the additional pound per hour and TPY authorization.

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

__Hrs/day __Days/week __Weeks/year or 8,760 Hrs/year
- ** Compliance with annual emission limits is based on a rolling 12-month period.
- *** Start-up and shutdown emissions for EPN B2 are authorized. Higher pound per hour emissions are allowed for NO_x, HF, HCl, Hg, and Pb. The other pollutants do not exceed normal operation limits during start-up or shutdown. TPY limit applies to the sum of normal, start-up, and shutdown emissions.