

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 70861 and PSD-TX-1039

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*
S01	Pulverized Coal Boiler (8,185 MMBtu/hr)	NO _x (1-hr)	1,637	--
		NO _x (30-day)	573	--
		SO ₂ (1-hr)	2,456	--
		SO ₂ (30-day)	982	--
		PM/PM ₁₀ (front)	123	--
		PM/PM ₁₀ (total)	327	--
		CO (1-hr)	2,456	--
		CO (30-day)	1,228	--
		VOC	29	--
		H ₂ SO ₄ 127	133	
		NH ₃ 41	--	
		HF 23	24	
		HCl 72	47	
		Pb 0.55	0.41	
		Hg 0.94	0.075	
S01	Startup Emissions - Pulverized Coal Boiler	NO _x	964	--
		SO ₂	2,892	--
		PM/PM ₁₀ (front)	123	--
		PM/PM ₁₀ (total)	327	--
		CO	1,228	--
		VOC	43	--
		H ₂ SO ₄ 111	--	

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*
		NH ₃ 41	--	
		HF 39	--	
		HCl 434	--	
		Pb 0.55	--	
		Hg 0.90	--	
S02	Natural Gas-fired Auxiliary Boiler (175 MMBtu/hr)	NO _x	1.8	--
		SO ₂	0.11	--
		CO	6.1	--
		PM/PM ₁₀	0.88	--
		VOC	0.70	--
S33	Diesel-fired Emergency Generator (1500 kW)	NO _x	38.8	--
		SO ₂	0.86	--
		CO	2.9	--
		PM/PM ₁₀	0.24	--
		VOC	1.6	--
S34	Diesel-Fired Emergency Fire Water Pump (450 hp)	NO _x	14	--
		CO	3.0	--
		SO ₂	0.16	--
		PM/PM ₁₀	1.0	--
		VOC	1.1	--
(All EPNs)	Plant-Wide Emissions Cap	NO _x	--	1,804
		SO ₂	--	3,585
	PM	CO --	5,380	
		--	1,490	
		PM ₁₀ --	1,487	
		VOC --	135	
		NH ₃ --	56	
S03a	Railcar Coal Unloading - Baghouse Vent	PM	0.28	--
		PM ₁₀	0.13	--
S03b	Railcar Coal Unloading -	PM	0.28	--

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*
	Coal Dust Fugitives (4)	PM ₁₀	0.13	--
S05	Stackout Conveyor #1 - Coal Dust Fugitives (4)	PM PM ₁₀	0.36 0.17	-- --
S06	Stackout Conveyor #2 - Coal Dust Fugitives (4)	PM PM ₁₀	0.36 0.17	-- --
S07	Active Coal Pile #1 - Coal Dust Fugitives (4)	PM PM ₁₀	0.14 0.068	-- --
S08	Active Coal Pile #2 - Coal Dust Fugitives (4)	PM PM ₁₀	0.14 0.068	-- --
S09	Active Coal Pile Reclaim - Baghouse Vent	PM PM ₁₀	0.020 0.0093	-- --
S10	Reclaim Conveyor #1 - Coal Dust Fugitives (4)	PM PM ₁₀	0.085 0.040	-- --
S11	Coal Transfer Tower Baghouse Vent	PM PM ₁₀	0.53 0.25	-- --
S12	Reclaim Conveyor #2 - Coal Dust Fugitives (4)	PM PM ₁₀	0.26 0.12	-- --
S13	Tripper Deck Silo Bay - Enclosed Conveyor - Baghouse Vent	PM PM ₁₀	0.012 0.0059	-- --
S14	Inactive Coal Pile - Coal Dust Fugitives (4)	PM PM ₁₀	0.26 0.13	-- --
S15	Bottom Ash Conveyor & Drop to Bunker - Dust Fugitives (4)	PM PM ₁₀	0.0014 0.00064	-- --
S16	Bottom Ash Bunker - Truck	PM	0.041	--

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*
	Loadout - Dust Fugitives (4)	PM ₁₀	0.019	--
S18	Fly Ash Silo - Conveyor Loading - Baghouse Vent	PM PM ₁₀	0.31 0.11	-- --
S23	Fly Ash Transfer Point #1 - Baghouse Vent	PM PM ₁₀	0.034 0.016	-- --
S24	Fly Ash Transfer Point #2 - Dust Fugitives (4)	PM PM ₁₀	0.044 0.021	-- --
S26	Fly Ash Landfill - Dust Fugitives (4)	PM PM ₁₀	0.31 0.16	-- --
S27a	Railcar Lime Unloading - Baghouse Vent	PM PM ₁₀	0.34 0.15	-- --
S27b	Railcar Lime Unloading Dust Fugitive (4)	PM PM ₁₀	0.090 0.043	-- --
S28	Lime Receiving Conveyor - Dust Fugitive (4)	PM PM ₁₀	1.67 0.79	-- --
S29	Lime Silo - Conveyor Loading - Baghouse Vent	PM PM ₁₀	0.090 0.043	-- --
S30	Urea Silo - Pneumatic Loading - Baghouse Vent	PM PM ₁₀	0.24 0.11	-- --
S39	Aqueous Ammonia Fugitives (4)	NH ₃	0.16	--
S32	Cooling Tower	PM ₁₀	11	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			lb/hr	TPY*
S36	Diesel Fuel Storage Tank (8,000 gallons)	VOC	1.18	--
S37	Diesel Fuel Storage Tank (2,000 gallons)	VOC	0.42	--
S38	Diesel Fuel Storage Tank (500 gallons)	VOC	0.42	--

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 30 Texas Administrative Code Section 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 particulate matter 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
 - (4) Fugitives emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable Special Conditions and permit application representations.
- * 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

3/10/05 Draft MAERT
Permit Numbers 70492 and PSD-TX-1037
Page 7

Dated _____