EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 76474 and PSD-TX-1056

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emissions 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*
E-OGU1	Pulverized Coal (Lignite) Boiler (8,970 MMBtu/hr)	NO_x	1,800	3,143
		SO_2	5,382	7,543
		PM/PM_{10} (filter)(4)	135	589
		PM/PM_{10} (total)	449	1,572
		CO	6,100	13,358
		VOC	47	176
		H_2SO_4	165	481
		NH_3	55	96
		HF	64	140
		HCl	110	241
		Pb	0.26	0.38
		Hg	0.93	0.36
E-OGU2	Pulverized Coal (Lignite) Boiler (8,970 MMBtu/hr)	NO_x	1,800	3,143
		SO_2	5,382	7,543
		PM/PM_{10} (filter)(4)	135	589
		PM/PM_{10} (total)	449	1,572
		CO	6,100	13,358
		VOC	47	176
		H_2SO_4	165	481
		NH_3	55	96
		HF	64	140
		HCl	110	241
		Pb	0.26	0.38
		Hg	0.93	0.36
E-OGAB	Natural Gas-fired Auxiliary Boiler (365 MMBtu/hr) (Phase 1 - PC Boiler Construction Phase)	NO_x (4)(5)	13.1	57.6
		NO_x (4)(6)	36.5	--
		CO (5)	13.5	59.1
		CO (6)	135.0	--
		SO_2	5.1	22.4
		PM/PM_{10}	2.7	11.9
		VOC	2.0	8.6

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*
E-OGAB	Natural Gas-fired Auxiliary Boiler (365 MMBtu/hr) (Phase 2 - 10% Annual Capacity Factor)	NO_x (5)	13.1	5.8
		NO_x (6)	36.5	--
		CO (5)	13.5	5.9
		CO (6)	135.0	--
		SO_2	5.1	2.2
		PM/PM_{10}	2.7	1.2
		VOC	2.0	0.9
E-OGEG	Diesel-fired Emergency Generator 8.9 (1,444 hp)	NO_x	35.6	
		SO_2	0.56	0.14
		CO	9.5	2.4
		PM/PM_{10}	1.1	0.3
		VOC	0.91	0.2
E-OGFP	Diesel-Fired Emergency Fire Water Pump (450 hp)	NO_x	8.6	2.2
		CO	2.3	0.6
		SO_2	0.14	0.03
		PM/PM_{10}	0.27	0.07
		VOC	0.22	0.06
E-OGLTHV1 E-OGLTHV2	Railcar Coal Unloading Building Vents	PM	1.34	1.65
		PM_{10}	0.26	0.31
E-OGLTHBV	Railcar Coal Unloading - Track Hopper Bin Vent	PM	0.01	0.02
		PM_{10}	0.01	0.01
E-OGLCFT3V	No. 2 Transfer Conveyor Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGLSILO1	Lignite Storage Silo 1 Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGLSILO2	Lignite Storage Silo 2 Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01

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*
E-OGSSPRV	Reclaim from Silo and Emergency	PM	0.01	0.01
	Stockout Pile - Vent	PM_{10}	0.01	0.01
E-OGLSPF	Lignite Emergency Stockout Pile	PM	0.16	0.21
	Fugitives (7)	PM_{10}	0.03	0.04
E-OGCHV1	Crusher House Vents	PM	2.1	2.27
E-OGCHV2		PM_{10}	0.40	0.43
E-OGCHBFV	Crusher House Surge Bin Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGSHV	Sample House Vent	PM	0.01	0.01
	Dust Fugitives (7)	PM_{10}	0.01	0.01
E-OGSBTTV	Surge Bin Transfer Tower	PM	0.01	0.01
	External Structure Vent	PM_{10}	0.01	0.01
E-OGSBTTBV	Surge Bin Transfer Tower	PM	0.01	0.01
	Bin Vent	PM_{10}	0.01	0.01
E-OGTT1AV	Transfer Tower 1A Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGU1SSV	Unit 1 South Side Tripper House	PM	0.01	0.01
	Baghouse Vent	PM_{10}	0.01	0.01
E-OGTT1BV	Transfer Tower 1B Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGU1NSV	Unit 1 North Side Tripper House	PM	0.01	0.01
	Baghouse Vent	PM_{10}	0.01	0.01
E-OGTT2AV	Transfer Tower 2A Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OG2SSV	Unit 2 South Side Tripper House	PM	0.01	0.01

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*
	Baghouse Vent	PM_{10}	0.01	0.01
E-OGTT2BV	Transfer Tower 2B Vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGU2NSV	Unit 2 North Side Tripper House	PM	0.01	0.01
	Baghouse Vent	PM_{10}	0.01	0.01
E-OGLDSPF	Lignite Dead Storage Pile	PM	1.48	5.18
	Dust Fugitive (7)	PM_{10}	0.28	0.98
E-OGLSTHF	Limestone Railcar Unloading -	PM	0.02	0.01
	Dust Fugitive (7)	PM_{10}	0.01	0.01
E-OGLSTHV	Limestone Track Hopper Vent	PM	0.03	0.01
	Baghouse Vent	PM_{10}	0.01	0.01
E-OGLSSV1 E-OGLSSV2 E-OGLSSV3	Limestone Storage Shed Vents	PM	0.05	0.01
		PM_{10}	0.02	0.01
E-OGLSPR	Limestone Storage Reclaim Belts	PM	0.02	0.01
	Vent	PM_{10}	0.01	0.01
E-OGLSSB1V E-OGLSSB2V E-OGLSSB3V	Limestone Preparation Building	PM	0.01	0.01
	Bin Vents	PM_{10}	0.01	0.01
E-OGSSSV	Sorbent Storage Silo	PM_{10}	0.06	0.24
E-OGVS1V1	Unit 1 Fly ash filter separators	PM	0.20	0.89
	Baghouse vent	PM_{10}	0.07	0.31
E-OGVS1V2	Unit 1 Fly ash filter separators	PM	0.20	0.89
	Baghouse vent	PM_{10}	0.07	0.31
E-OGVS1V3	Unit 1 Fly ash filter separators	PM	0.20	0.89

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*
	Baghouse vent	PM_{10}	0.07	0.31
E-OGFAS1V1	Fly Ash Silo 1	PM	0.33	0.60
	Bin vent filter	PM_{10}	0.12	0.21
E-OGFAS1V2	Fly Ash Silo 1	PM	0.33	0.60
	Bin vent filter	PM_{10}	0.12	0.21
E-OGFAS1V3	Fly Ash Silo 1	PM	0.33	0.60
	Bin vent filter	PM_{10}	0.12	0.21
E-OGSLS1V	Fly Ash Silo 1 loading spout	PM	0.03	0.11
	Baghouse	PM_{10}	0.03	0.11
E-OGWFAU1F	Fly Ash Silo 1 loading	PM	0.03	0.06
	Dust Fugitive (7)	PM_{10}	0.01	0.01
E-OGVS2V1	Unit 2 Fly ash filter separators	PM	0.20	0.89
	Baghouse vents	PM_{10}	0.07	0.31
E-OGVS2V2	Unit 2 Fly ash filter separators	PM	0.20	0.89
	Baghouse vents	PM_{10}	0.07	0.31
E-OGVS2V3	Unit 2 Fly ash filter separators	PM	0.20	0.89
	Baghouse vents	PM_{10}	0.07	0.31
E-OGFAS2V1	Fly Ash Silo 2	PM	0.33	0.60
	Bin vent filter	PM_{10}	0.12	0.21
E-OGFAS2V2	Fly Ash Silo 2	PM	0.33	0.60
	Bin vent filter	PM_{10}	0.12	0.21
E-OGFAS2V3	Fly Ash Silo 2	PM	0.33	0.60
	Bin vent filter	PM_{10}	0.12	0.21
E-OGSLS2V	Fly Ash Silo 2 loading spout	PM	0.03	0.11
	Baghouse	PM_{10}	0.03	0.11

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*
E-OGWFAU2F	Fly Ash Silo 2 loading Dust Fugitive (7)	PM	0.03	0.06
		PM_{10}	0.01	0.01
E-OGLDLF	Local landfill area - active working face - dust fugitive (7)	PM	0.13	0.58
		PM_{10}	0.07	0.29
E-OGLDLF	Local landfill area - inactive working face - dust fugitive (7)	PM	0.04	0.16
		PM_{10}	0.02	0.08
E-OGRDLF	Remote landfill area - active working face - dust fugitive (7)	PM	0.13	0.58
		PM_{10}	0.07	0.29
E-OGRDLF	Remote landfill area - inactive working face - dust fugitive (7)	PM	0.04	0.16
		PM_{10}	0.02	0.08
E-OGGDB	Gypsum Dewatering Building vent	PM	0.01	0.01
		PM_{10}	0.01	0.01
E-OGAMM	Ammonia Fugitive	NH_3	0.04	0.19
E-OGFOSTV	No. 2 Fuel Oil Storage Tank (3,620,000 gallons)	VOC	0.43	0.25
E-OGEGDST	Emergency Generator Diesel Fuel Storage Tank (8,060 gallons)	VOC	0.01	0.03
E-OGFPDST	Fire Pump Diesel Fuel Storage Tank (8,060 gallons)	VOC	0.03	0.01
E-OGCT1	Cooling Tower	PM	0.02	0.09
		PM_{10}	0.01	0.02

(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

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*

PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - 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
SO_2 - sulfur dioxide
NH_3 - ammonia
CO - carbon monoxide
H_2SO_4 - sulfuric acid mist
Pb - lead
HCl - hydrogen chloride
HF - hydrogen fluoride
Hg - mercury

(4) Compliance with the hourly emission limit is based on a 3-hour block average of the CEMS data.
(5) Hourly limit applies when auxiliary boiler is operating at or above 25% load
(6) Hourly limit applies when auxiliary boiler is operating below 25% load, and during startup and shutdown.
(7) Fugitives emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable Special Conditions and permit application representations.

* For combustion sources and storage tanks, compliance with annual emission limits is based on a rolling 12-month period. For material handling sources, compliance with annual emission limits is based on applicable Special Conditions and permit application representations.

** Except as otherwise specified in Special Conditions, 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

Dated December 10, 2008