

## 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 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*
E-OGU1	Pulverized Coal (Lignite) Boiler (8,970 MMBtu/hr)	NO <sub>x</sub>	1,800	3,143
		SO <sub>2</sub>	5,382	7,543
		PM/PM <sub>10</sub> (filter)	135	589
		PM/PM <sub>10</sub> (total)	449	1,572
		CO	6,100	13,358
		VOC	47	176
		H <sub>2</sub> SO <sub>4</sub>	165	481
		NH <sub>3</sub>	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 <sub>x</sub>	1,800	3,143
		SO <sub>2</sub>	5,382	7,543
		PM/PM <sub>10</sub> (filter)	135	589
		PM/PM <sub>10</sub> (total)	449	1,572
		CO	6,100	13,358
		VOC	47	176
		H <sub>2</sub> SO <sub>4</sub>	165	481
		NH <sub>3</sub>	55	96
		HF	64	140
		HCl	110	241
		Pb	0.26	0.38
		Hg	0.93	0.36
E-OGAB	Fuel Oil-fired Auxiliary Boiler A (261 MMBtu/hr)	NO <sub>x</sub>	26.1	11.4
		SO <sub>2</sub>	13.0	5.7
		CO	81.3	35.6
		PM/PM <sub>10</sub>	7.8	3.4
		VOC	0.37	0.2
		HCl	0.23	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			lb/hr	TPY*
E-OGAB	Fuel Oil-fired Auxiliary Boiler B (261 MMBtu/hr)	NO <sub>x</sub>	26.1	11.4
		SO <sub>2</sub>	13.0	5.7
		CO	81.3	35.6
		PM/PM <sub>10</sub>	7.8	3.4
		VOC	0.37	0.2
		HCl	0.23	0.10
E-OGEG	Diesel-fired Emergency Generator (1,444 hp)	NO <sub>x</sub>	35.6	8.9
		SO <sub>2</sub>	0.56	0.14
		CO	9.5	2.4
		PM/PM <sub>10</sub>	1.1	0.3
		VOC	0.91	0.2
E-OGFP	Diesel-Fired Emergency Fire Water Pump (450 hp)	NO <sub>x</sub>	8.6	2.2
		CO	2.3	0.6
		SO <sub>2</sub>	0.14	0.03
		PM/PM <sub>10</sub>	0.27	0.07
		VOC	0.22	0.06
E-OG LTHV1	Railcar Coal Unloading Building Vents	PM	1.34	1.65
E-OG LTHV2		PM <sub>10</sub>	0.26	0.31
E-OG LTHBV	Railcar Coal Unloading - Track Hopper Bin Vent	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.01
E-OG LCFT3V	# 2 Transfer Conveyor Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-OG LSILO1	Lignite Storage Silo 1 Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-OG LSILO2	Lignite Storage Silo 2 Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-OG SS PRV	Reclaim from Silo and Emergency Stockout Pile - Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01

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			lb/hr	TPY*
E-UGLSPF	Lignite Emergency Stockout Pile Fugitives (4)	PM	0.16	0.21
		PM <sub>10</sub>	0.03	0.04
E-UGCHV1	Crusher House Vents	PM	2.1	2.27
E-UGCHV2		PM <sub>10</sub>	0.40	0.43
E-UGCHBFV	Crusher House Surge Bin Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGSHV	Sample House Ventl Dust Fugitives (4)	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGSBTTV	Surge Bin Transfer Tower External Structure Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGSBTTBV	Surge Bin Transfer Tower Bin Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGTT1AV	Transfer Tower 1A Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGU1SSV	Unit 1 South Side Tripper House Baghouse Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGTT1BV	Transfer Tower 1B Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGU1NSV	Unit 1 North Side Tripper House Baghouse Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UGTT2AV	Transfer Tower 2A Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-UG2SSV	Unit 2 South Side Tripper House Baghouse Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			<u>lb/hr</u>	<u>TPY*</u>
E-OGTT2BV	Transfer Tower 2B Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-OGU2NSV	Unit 2 North Side Tripper House Baghouse Vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
E-OGLDSPF	Lignite Dead Storage Pile Dust Fugitive (4)	PM	1.48	5.18
		PM <sub>10</sub>	0.28	0.98
E-OGLSTHF	Limestone Railcar Unloading - Dust Fugitive (4)	PM	0.02	0.01
		PM <sub>10</sub>	0.01	0.01
E-OGLSTHV	Limestone Track Hopper Vent Baghouse Vent	PM	0.03	0.01
		PM <sub>10</sub>	0.01	0.01
E-OGLSSV1	Limestone Storage Shed Vents	PM	0.05	0.01
E-OGLSSV2		PM <sub>10</sub>	0.02	0.01
E-OGLSSV3				
E-OGLSPR	Limestone Storage Reclaim Belts Vent	PM	0.02	0.01
		PM <sub>10</sub>	0.01	0.01
E-OGLSSB1V	Limestone Preparation Building Bin Vents	PM	0.01	0.01
E-OGLSSB2V		PM <sub>10</sub>	0.01	0.01
E-OGLSSB3V				
E-OGVS1V1	Unit 1 Fly ash filter separators Baghouse vent	PM	0.20	0.89
		PM <sub>10</sub>	0.07	0.31
E-OGVS1V2	Unit 1 Fly ash filter separators Baghouse vent	PM	0.20	0.89
		PM <sub>10</sub>	0.07	0.31
E-OGVS1V3	Unit 1 Fly ash filter separators	PM	0.20	0.89

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates **</u>	
			<u>lb/hr</u>	<u>TPY*</u>
	Baghouse vent	PM <sub>10</sub>	0.07	0.31
E-OGFAS1V1	Fly Ash Silo 1	PM	0.33	0.60
	Bin vent filter	PM <sub>10</sub>	0.12	0.21
E-OGFAS1V2	Fly Ash Silo 1	PM	0.33	0.60
	Bin vent filter	PM <sub>10</sub>	0.12	0.21
E-OGFAS1V3	Fly Ash Silo 1	PM	0.33	0.60
	Bin vent filter	PM <sub>10</sub>	0.12	0.21
E-OGSLS1V	Fly Ash Silo 1 loading spout	PM	0.03	0.11
	Baghouse	PM <sub>10</sub>	0.03	0.11
E-OGWFAU1F	Fly Ash Silo 1 loading	PM	0.03	0.06
	Dust Fugitive (4)	PM <sub>10</sub>	0.01	0.01
E-OGVS2V1	Unit 2 Fly ash filter separators	PM	0.20	0.89
	Baghouse vents	PM <sub>10</sub>	0.07	0.31
E-OGVS2V2	Unit 2 Fly ash filter separators	PM	0.20	0.89
	Baghouse vents	PM <sub>10</sub>	0.07	0.31
E-OGVS2V3	Unit 2 Fly ash filter separators	PM	0.20	0.89
	Baghouse vents	PM <sub>10</sub>	0.07	0.31
E-OGFAS2V1	Fly Ash Silo 2	PM	0.33	0.60
	Bin vent filter	PM <sub>10</sub>	0.12	0.21
E-OGFAS2V2	Fly Ash Silo 2	PM	0.33	0.60
	Bin vent filter	PM <sub>10</sub>	0.12	0.21
E-OGFAS2V3	Fly Ash Silo 2	PM	0.33	0.60
	Bin vent filter	PM <sub>10</sub>	0.12	0.21

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates **	
			lb/hr	TPY*
E-OGSLS2V	Fly Ash Silo 2 loading spout Baghouse	PM	0.03	0.11
		PM <sub>10</sub>	0.03	0.11
E-OGWFAU2F	Fly Ash Silo 2 loading Dust Fugitive (4)	PM	0.03	0.06
		PM <sub>10</sub>	0.01	0.01
E-OGLDLF	Local landfill area - active working face - dust fugitive (4)	PM	0.13	0.58
		PM <sub>10</sub>	0.07	0.29
E-OGLDLF	Local landfill area - inactive working face - dust fugitive (4)	PM	0.04	0.16
		PM <sub>10</sub>	0.02	0.08
E-OGRDLF	Remote landfill area - active working face - dust fugitive (4)	PM	0.13	0.58
		PM <sub>10</sub>	0.07	0.29
E-OGRDLF	Remote landfill area - inactive working face - dust fugitive (4)	PM	0.04	0.16
		PM <sub>10</sub>	0.02	0.08
E-OGGDB	Gypsum Dewatering Building vent	PM	0.01	0.01
		PM <sub>10</sub>	0.01	
E-OGAMM	Ammonia Fugitive	NH <sub>3</sub>	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	0.03	0.01
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 <sub>10</sub>	0.01	0.02

#### 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 PM<sub>10</sub>.  
PM<sub>10</sub> - 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<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
NH<sub>3</sub> - ammonia  
CO - carbon monoxide  
H<sub>2</sub>SO<sub>4</sub> - 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.
- \* 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

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Dated \_\_\_\_\_