EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 48437

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 the 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 (4)	TPY (5)
SA-S5A	Circulating Fluid Bed (CFB) Boiler No. 5A (Lignite-fired 2,960 MMBtu/hr)	NO_x	296	1,296
		Sulfur dioxide (6)	592	2,593
		Sulfur dioxide (7)	444	1,945
		Carbon monoxide	296	1,296
		PM/PM_{10}	44.4	194
		VOC	15.1	66
		Hydrogen chloride	0.66	1.0
		Hydrogen fluoride	0.78	1.0
		Sulfuric acid	6.2	27
		Ammonia	15.9	55
		Antimony	0.0061	0.010
		Arsenic	0.077	0.088
		Barium	1.4	2.0
		Beryllium	0.016	0.018
		Cadmium	0.0024	0.0024
		Chromium	0.12	0.25
		Cobalt	0.034	0.069
		Copper	0.19	0.38
		Lead	0.085	0.14
		Manganese	1.6	1.5
		Mercury	0.033	0.048
		Nickel	0.13	0.092
		Selenium	0.12	0.15
		Vanadium	0.33	0.65
SA-S5B	CFB Boiler No. 5B Bed (CFB) Boiler No. 5B	NO_x	296	1,296
		Sulfur dioxide (6)	592	2,593
		Sulfur dioxide (7)	444	1,945

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr (4)	TPY (5)
	(Lignite-fired 2,960 MMBtu/hr)	Carbon monoxide	296	1,296
		PM/PM_{10}	44.4	194
		VOC	15.1	66
		Hydrogen chloride	0.66	1.0
		Hydrogen fluoride	0.78	1.0
		Sulfuric acid	6.2	27
		Ammonia	15.9	55
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		Manganese	1.6	1.5
		Mercury	0.033	0.048
		Nickel	0.13	0.092
		Selenium	0.12	0.15
		Vanadium	0.33	0.65
SA5NH4OHTV	Unit 5 Aqueous Ammonia Storage Tank	Ammonia	5.07	0.48
SA5SSV	Sorbent Silo Filter Vent (8)	PM/PM_{10}	0.19	0.01
SA5LS5AV	Hydrated Lime Silo 5A Filter Vent (8)	PM/PM_{10}	0.38	0.14
SA5LS5AV	Hydrated Lime Silo 5B Filter Vent (8)	PM/PM_{10}	0.38	0.14

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr (4)	TPY (5)

(2) Specific point source name. For fugitive sources, use an area name or fugitive source name.

(3) NO_x - total oxides of nitrogen, expressed as nitrogen dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
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.

(4) For pollutants which are not required by this permit to be monitored with a continuous emissions monitor system (CEMS), compliance with the hourly emission limits is based on a three-hour average of stack tests. For pollutants which are required by this permit to be monitored with a CEMS, compliance with the hourly emission limits is based on a 30-day rolling average of the hourly CEMS data, including startup and shutdown emissions. With the first amendment, alteration or renewal of this permit following two years of operation with a certified CEMS, the holder of this permit shall submit hourly emission data from the CEMS which will be considered in establishing new hourly limits for the monitored pollutants based on a one-hour average.

(5) Compliance with annual emission limits is based on a rolling 12-month period. Annual emissions of trace elements (antimony, arsenic, barium, beryllium, cadmium, chloride, chromium, cobalt, copper, fluoride, lead, manganese, mercury, nickel, selenium, and vanadium) are based on average concentration measurements in the lignite, whereas hourly emissions are based on maximum concentrations in the lignite. Compliance with the annual trace element emission limits may be established if the initial demonstration of compliance testing of trace element emissions supports the removal efficiencies represented in the permit application and trace element concentrations in the lignite remain consistent with representations in the permit application.

(6) Before March 31, 2010.

(7) After March 31, 2010.

(8) Emissions are authorized by 30 TAC §§ 116.602 and § 116.617, Registration No. 83346, dated December 27, 2007, and are not incorporated into this permit.

*CFB annual emissions are based on 8,760 hours per year operation at maximum firing rate (2,960 MMBtu/hr).

Dated March 22, 2010