

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 38191 and PSD-TX-906

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**
STACK1 (5,6) STACK2 STACK3	ABB GT24 (175 MW) + HRSG (95 MW) Natural Gas	NO <sub>x</sub>	34	--
		CO	254	--
		VOC	17.6	--
		PM/PM <sub>10</sub>	24	--
		SO <sub>2</sub>	5	--
		NH <sub>3</sub>	26.8	--
	Fuel Oil No. 2 (5)	NO <sub>x</sub>	75	--
		CO	310	--
		VOC	18	--
		PM/PM <sub>10</sub>	111	--
		SO <sub>2</sub>	109	--
		NH <sub>3</sub>	31.8	--
STACK1 (5,6) STACK2 STACK3	Annual Emissions Natural Gas + Fuel Oil	NO <sub>x</sub>	--	151.6
		CO	--	259.3
		VOC	--	28.7
		PM/PM <sub>10</sub>	--	121.3
		SO <sub>2</sub>	--	56.3
		NH <sub>3</sub>	--	119.2
STACK4 (5,6) STACK5 STACK6	ABB GT24 (175 MW) + HRSG (95 MW) Natural Gas	NO <sub>x</sub>	34	131.4
		CO	254	197.1
		VOC	17.6	23.1
		PM/PM <sub>10</sub>	24	83.2
		SO <sub>2</sub>	5	17.5
		NH <sub>3</sub>	26.8	119.2
TANK1 (5,6) TANK2	2.2 Million-Gallon Diesel Tanks	VOC	1.50	0.65

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EMTANK1 (5,6) EMTANK2 EMTANK3 EMTANK4 EMTANK5 EMTANK6	600-Gallon Diesel Tanks	VOC	0.05	<0.01
IG1 (4,6) IG2 IG3 IG4 IG5 IG6	NH <sub>3</sub> Ammonia Grid Stacks 1-6	NH <sub>3</sub>	0.14	0.62
V1 (4,6) V2 V3 V4 V5 V6	NH <sub>3</sub> Vaporizer Stacks Stack 1-6	NH <sub>3</sub>	0.14	0.62
LOR-1 (6,7) LOR-2 LOR-3 LOR-4 LOR-5 LOR-6	Lube Oil Reservoir Vapor Extractors	VOC/PM	0.003	0.01
FUG (4)	Site Fugitives	VOC NH <sub>4</sub> OH	0.44 0.22	1.91 0.98

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
NH<sub>4</sub>OH - ammonium hydroxide  
NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These emissions are permitted under PSD
- (6) Allowable emission limits (pounds per year and tons per year) apply to each emission point.
- (7) Compliance with lube oil extractor vent emission limits is demonstrated through periodic opacity readings in accordance with Title V Operating Permit Number O-1869.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated September 5, 2008