EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 45360 and PSD-TX-977

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	Emission Rates * TPY**
STACK1	CTG-HRSG1 Stack (General Electric 7FA)	NO_x ***	38.31	155.70
		CO ***	63.17	237.86
		VOC	9.30	32.84
		PM_{10} ***	19.22	82.78
		SO_2	15.26	3.69
		NH_3	19.86	82.55
		$(NH_4)_2SO_4$	2.52	0.61
STACK2	CTG-HRSG2 Stack (General Electric 7FA)	NO_x ***	38.31	155.70
		CO ***	63.17	237.86
		VOC	9.30	32.84
		PM_{10} ***	19.22	82.78
		SO_2	15.26	3.69
		NH_3	19.86	82.55
		$(NH_4)_2SO_4$	2.52	0.61
TOMV1	Turbine Oil Mist Vent (4)	VOC	0.01	0.04
TOMV2	Turbine Oil Mist Vent (4)	VOC	0.01	0.04
TOMV3	Turbine Oil Mist Vent (4)	VOC	0.01	0.02
CT-1	Cooling Tower	PM_{10}	0.75	3.29
TANK1	Aqueous Ammonia Tank	NH_3	<0.01	<0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
TANK2	Aqueous Ammonia Tank	NH_3	<0.01	<0.01
TANK3	Sodium Hypochlorite Storage Tank	NaOCl	<0.01	<0.01
TANK4	Sulfuric Acid Tank	H_2SO_4	<0.01	<0.01
TANK5	50 percent Caustic Storage Tank	Caustic	2.17	<0.01
TANK8	Diesel Fuel Storage	VOC	0.06	<0.01
TANK9	Hydrochloric Acid Storage	HCl	<0.01	<0.01
DFWP1	Diesel Fire Water Pump	NO_x	10.49	0.27
		CO	3.13	0.08
		SO_2	0.74	0.02
		PM_{10}	0.20	0.01
		VOC	0.13	<0.01
FUG1	Ammonia System (5)	NH_3	<0.01	0.01
FUG2	Natural Gas Pipeline Fugitives (5)	VOC	0.11	0.48

(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 area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 101.1
PM_{10} - particulate matter (PM) 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.
SO_2 - sulfur dioxide
NH_3 - ammonia
$(NH_4)_2SO_4$ - ammonium sulfate
H_2SO_4 - sulfuric acid
NaOCl - sodium hypochlorite

HC1 - hydrochloric acid

(4) Turbine oil mist vent emissions are estimates only based on mist vent eliminator vendor data.

(5) Fugitive emissions are based on component count and application of appropriate fugitive emission factors.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* Emission rates are based on a maximum combustion turbine generator (CTG) operating schedule of 8,760 hours per year per CTG, and heat recovery duct burners operating a maximum of 6,462 hours per each stack (EPNs STACK1 and STACK2).

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

*** Emissions regulated under PSD-TX-977 permit authorization.

Dated _____