

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 40363 and PSD-TX-927

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	
	TPY**			
STACK1	CTG-HRSG Stack	CO ***	124.00	486.16
		NO _x ***	91.67	340.59
		PM ₁₀ ***	25.62	100.39
		SO ₂	19.33	5.99
		VOC	7.09	26.33
		NH ₃	37.66	139.94
		H ₂ SO ₄	2.37	0.73
TOMV1	Turbine Oil Mist Vent (4)	VOC	0.01	0.04
TOMV2	Turbine Oil Mist Vent (4)	VOC	0.01	0.02
CT-1	Cooling Tower	PM ₁₀	0.50	2.19
DFWP1	Diesel Fire Water Pump	CO	0.55	0.03
		NO _x	1.91	0.10
		PM ₁₀	0.15	0.01
		SO ₂	0.15	0.01
		VOC	0.05	<0.01
TANK1	Aqueous Ammonia Tank	NH ₃	<0.01	<0.01
TANK2	Diesel Storage Tank	VOC	0.02	<0.01
TANK3	Sodium Hypochlorite Tank	NaOCl	<0.01	0.01
TANK4	Sulfuric Acid Tank	H ₂ SO ₄	<0.01	<0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY **
WTB1	Common Vent - Water Treatment <0.10 Chemical Tanks 5 through 13		IOC	0.82
FUG1	Ammonia System (5)	NH ₃	0.02	0.06
FUG2	Natural Gas Pipeline and Metering 0.05 Station (5)		VOC	0.01

- (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
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM₁₀ - 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.
 - CO - carbon monoxide
 - H₂SO₄ - sulfuric acid
 - NH₃ - ammonia
 - NaOCl - sodium hypochlorite
 - IOC - inorganic compounds for water treatment including (but not limited to) trisodium phosphate, sodium bisulfate, sodium chloride, and polyquaternary amine chloride.
- (4) Turbine oil mist vent emissions are estimates only based on mist vent eliminator vendor data.
- (5) Fugitive emissions are an estimate only based on component count and application of appropriate fugitive emission factors.

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY **</u>

* Emission rates are based on a maximum operating schedule of 8,760 hours per year.

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

*** Emissions regulated under PSD-TX-927 permit authorization.

Dated_____