

EMISSION SOURCES - MAXIMUM EMISSION RATES

Permit Number 95640

This table lists the maximum 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, sources, and related activities. Any proposed increase in emission rates may require an application for a revision of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
HCCT2-2	Combustion Turbine 2 & Duct Fired HRSG (5)	CO	13.45	146.14
		CO (Start Up) (6)	467.60	
		NO _x	20.13	59.59
		NO _x (Start Up) (6)	96.04	
		VOC	9.75	41.03
		VOC (Start Up) (6)	33.40	
		PM/PM ₁₀ /PM _{2.5}	14.22	59.90
		SO ₂	1.58	2.59
		NH ₃	23.00	43.96
		H ₂ SO ₄	0.11	0.48
LUBVNT3	Steam Turbine Lube Vent 3	VOC	<0.01	0.01
FUG1	Ammonia Equipment Leak Fugitives (7)	NH ₃	0.74	3.26
FUG2	Natural Gas Equipment Leak Fugitives (7)	VOC	0.06	0.27

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as

represented

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PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
NH ₃	- ammonia
H ₂ SO ₄	sulfuric acid

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The duct burners may be fired a maximum of 200 hours per year.
- (6) A maximum of 300 combustion turbine starts per year are authorized.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations. Emission values should be used for federal applicability.

Effective
Date:

May 6, 2011
