

EMISSION SOURCES - MAXIMUM EMISSION RATES

Permit Number 82519

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)
LPSCT4	Combustion Turbine 4	VOC	4.25	
		VOC Startup (6)	8.20	
		VOC		14.18
		HAPs	0.87	3.81
		HCHO	0.60	2.63
		NOx	14.97	
		NOx Start up (6)	85.00	
		NOx		58.44
		CO	14.88	
		CO Start up (6)	147.55	
		CO		49.64
		PM	6.10	26.72
		PM10	6.10	26.72
		SO2	14.23	5.24
		NH3	20.86	35.18
		[(NH4)2] SO4	14.09	5.19
LPSCT5	Combustion Turbine 5	VOC	4.25	
		VOC Startup (6)	8.20	
		VOC		14.18
		HAPs	0.87	3.81
		HCHO	0.60	2.63
		NOx	14.97	
		NOx Start up (6)	85.00	

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		NOx		58.44
		CO	14.88	
		CO Start up (6)	147.55	
		CO		49.64
		PM	6.10	26.72
		PM10	6.10	26.72
		SO2	14.23	5.24
		NH3	20.86	35.18
		[(NH4)2] SO4	14.09	5.19
TOMV	Turbine Oil Mist Vents	VOC	0.04	0.20
FUG1 (5)	Ammonia Fugitives	NH3	0.67	2.94
FUG2 (5)	Natural Gas Fugitives	VOC	0.10	0.42

(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

PM₁₀ - 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

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

NH₃ - Ammonia

HCHO - Formaldehyde

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) 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.

(6) A planned startup for each turbine is limited to no more than 30 minutes. A planned startup is defined as the period that begins when the natural gas introduced into the turbine and ends when the combustion system transfer into steady state premix control and all emission control devices are operating within their designed control efficiencies.

Effective
Date:

January 5, 2011