

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 48070 and PSDTX1011

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, sources, and related activities. 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	
			lbs/hour (4)	TPY (5)
EPN15	Gas Turbine 7: Natural Gas	NO _x	8.97	29.40
		NO _x (SS)	44.85	-
		CO	16.38	53.40
		PM ₁₀ /PM _{2.5}	3.00	13.10
		VOC	0.62	5.50
		SO ₂	2.79	5.60
		NH ₃	4.64	19.70
EPN15	Gas Turbine 7: Fuel Oil (720 hrs/yr)	NO _x	79.49	25.90
		CO	6.91	2.16
		PM ₁₀ /PM _{2.5}	5.00	1.80
		VOC	1.98	0.40
		SO ₂	24.58	7.56
EPN16	Gas Turbine 8: Natural Gas	NO _x	8.97	29.40
		NO _x (SS)	44.85	-
		CO	16.38	53.40
		PM ₁₀ /PM _{2.5}	3.00	13.10
		VOC	0.62	5.50
		SO ₂	2.79	5.60
		NH ₃	4.64	19.70
EPN16	Gas Turbine 8: Fuel Oil (720 hrs/yr)	NO _x	79.49	25.90

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		CO	6.91	2.16
		PM ₁₀ /PM _{2.5}	5.00	1.80
		VOC	1.98	0.40
		SO ₂	24.58	7.56
EPN17	Gas Turbine 9: Natural Gas	NO _x	8.97	29.40
		NO _x (SS)	44.85	-
		CO	16.38	53.40
		PM ₁₀ /PM _{2.5}	3.00	13.10
		VOC	0.62	5.50
		SO ₂	2.79	5.60
		NH ₃	4.64	19.70
EPN17	Gas Turbine 9: Fuel Oil (720 hrs/yr)	NO _x	79.49	25.90
		CO	6.91	2.16
		PM ₁₀ /PM _{2.5}	5.00	1.80
		VOC	1.98	0.40
		SO ₂	24.58	7.56
EPN19	Cooling Tower (4-cell)	PM ₁₀ /PM _{2.5}	0.84	3.68

- (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 Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 NH₃ - ammonia
 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
 CO - carbon monoxide
- (4) Planned startup and shutdown (SS) lbs/hour emissions for all pollutants are authorized even if not specifically identified as SS. During any clock hour that includes one or more minutes of planned SS, that pollutant's maximum hourly emission rate shall apply during that clock hour.

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- (5) Compliance with annual emission rates is based on a 12-month rolling period. Annual emission rates for each source include planned SS emissions.

Date: April 2, 2012