

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 111724 and PSDTX1374

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)
GT1	Turbine 1 (Siemens 5000F)	NOx	79.5	105.2
		NOx (SS)	89.0	-
		CO	21.5	99.2
		CO (SS)	495.6	-
		SO2	8.0	10.1
		VOC	3.1	11.9
		VOC (SS)	55.6	-
		PM10	9.7	12.5
		PM2.5	9.7	12.5
GT2	Turbine 2 (Siemens 5000F)	NOx	79.5	105.2
		NOx (SS)	89.0	-
		CO	21.5	99.2
		CO (SS)	495.6	-
		SO2	8.0	10.1
		VOC	3.1	11.9
		VOC (SS)	55.6	-
		PM10	9.7	12.5
		PM2.5	9.7	12.5
GT3	Turbine 3 (Siemens 5000F)	NOx	79.5	105.2
		NOx (SS)	89.0	-

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		CO	21.5	99.2
		CO (SS)	495.6	-
		SO ₂	8.0	10.1
		VOC	3.1	11.9
		VOC (SS)	55.6	-
		PM ₁₀	9.7	12.5
		PM _{2.5}	9.7	12.5
GT1	Turbine 1 (GE 7FA)	NO _x	69.0	89.9
		CO	33.0	69.2
		CO (SS)	186	-
		SO ₂	7.2	9.2
		VOC	3.3	6.4
		VOC (SS)	17.1	-
		PM ₁₀	9.3	12.3
		PM ₁₀ (SS)	10.7	-
		PM _{2.5}	9.3	12.3
		PM _{2.5} (SS)	10.7	-
GT2	Turbine 2 (GE 7FA)	NO _x	69.0	89.9
		CO	33.0	69.2
		CO (SS)	186	-
		SO ₂	7.2	9.2
		VOC	3.3	6.4
		VOC (SS)	17.1	-
		PM ₁₀	9.3	12.3
		PM ₁₀ (SS)	10.7	-

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		PM2.5	9.3	12.3
		PM2.5 (SS)	10.7	-
GT3	Turbine 3 (GE 7FA)	NOx	69.0	89.9
		CO	33.0	69.2
		CO (SS)	186	-
		SO2	7.2	9.2
		VOC	3.3	6.4
		VOC (SS)	17.1	-
		PM10	9.3	12.3
		PM10 (SS)	10.7	-
		PM2.5	9.3	12.3
		PM2.5 (SS)	10.7	-
EDG	Diesel (Emergency generator)	NOx	9.2	2.29
		CO	5.02	1.25
		SO2	0.01	<0.01
		VOC	0.37	0.47
		PM	0.33	0.08
		PM10	0.33	0.08
		PM2.5	0.33	0.08
FP	Firepump	NOx	1.2	0.17
		CO	1.01	0.15
		SO2	<0.01	<0.01
		VOC	0.37	0.06
		PM	0.07	0.01
		PM10	0.07	0.01

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		PM2.5	0.07	0.01
GH	Heater	NOx	0.28	0.48
		CO	0.12	0.21
		SO2	0.01	0.02
		VOC	0.02	0.04
		PM	0.02	0.03
		PM10	0.02	0.03
		PM2.5	0.02	0.03
FUG	Fugitives (6)	VOC	0.09	0.39

- (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
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 maintenance, startup, and shutdown (MSS) lbs/hour emissions for all pollutants are authorized even if not specifically identified as MSS.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates for each source include planned MSS emissions.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____