

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6269 and PSDTX64

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)
1	Unit 1 Boiler Stack	NO _x	1,543	5,745
		CO	11,144	33,816
		VOC	18	65
		PM	682	2,987
		PM ₁₀	682	2,987
		PM _{2.5}	682	2,987
		PM (MSS)	1,457	-
		PM ₁₀ (MSS)	1,457	-
		PM _{2.5} (MSS)	1,457	-
		SO ₂	8,180	35,829
		H ₂ SO ₄	8.6	37.8
		HCl	9.15	36.05
		HF	10.77	42.45
		Hg (6)	0.340	1.488
2	Fly Ash Handling System (7)	PM	7.2	31.5
		PM ₁₀	7.2	31.5
		PM _{2.5}	7.2	31.5
13	Cold Solvent Degreaser	VOC	0.96	0.7
MSS-FUG	MSS Fugitives (8)	NO _x	0.05	0.01
		CO	0.22	0.04
		VOC	94.26	0.65

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	PM	7.45	3.48
	PM ₁₀	7.45	3.48
	PM _{2.5}	7.45	3.48
	SO ₂	<0.01	<0.01
	NH ₃	26.81	0.22

- (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) NO_x - total oxides of nitrogen
- CO - carbon monoxide
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- 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
- SO₂ - sulfur dioxide
- H₂SO₄ - sulfuric acid mist
- HCl - hydrogen chloride
- HF - hydrogen fluoride
- Hg - mercury
- NH₃ - ammonia
- MSS - maintenance, startup, and shutdown
- (4) Planned MSS pound per hour (lb/hr) emissions for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS, that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates for each source included planned MSS.
- (6) Mercury lb/hr emission rate is based on a 30-day rolling average.
- (7) The fly ash system includes emissions from the two silo loadouts, the sludge pile, the sludge/flyash landfill, and the pug mill vent pipe.
- (8) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: August 12, 2014