

Emission Sources - Maximum Allowable Emission Rates

Permit Number 101072L001

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 (7)	
			lbs/hour	TPY (4)
4	Primary (Impact) Crusher (5)	PM	0.42	0.66
		PM ₁₀	0.19	0.29
		PM _{2.5}	0.03	0.04
2	Secondary (Cone) Crusher (5)	PM	0.42	0.66
		PM ₁₀	0.19	0.29
		PM _{2.5}	0.03	0.04
5	Screen (5)	PM	0.77	1.20
		PM ₁₀	0.26	0.40
		PM _{2.5}	0.02	0.03
11	De-Sander Screen #1 (5)	PM	0.12	0.18
		PM ₁₀	0.04	0.06
		PM _{2.5}	<0.01	<0.01
12	De-Sander Screen #2 (5)	PM	0.12	0.18
		PM ₁₀	0.04	0.06
		PM _{2.5}	<0.01	<0.01
LFUG	Loading / Unloading Operations (5, 6)	PM	0.20	0.31
		PM ₁₀	0.06	0.10
		PM _{2.5}	0.02	0.03
MHFUG	Material Handling (5)	PM	0.20	0.31
		PM ₁₀	0.06	0.10
		PM _{2.5}	0.31	0.03
SPFUG	Stockpiles (5)	PM	-.--	0.64

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		PM ₁₀	-.--	0.32
		PM _{2.5}	-.--	0.05
9	760-hp Cummins Diesel Engine	PM	0.37	0.58
		PM ₁₀	0.37	0.58
		PM _{2.5}	0.37	0.58
		NO _x	18.24	28.45
		CO	4.02	6.27
		SO ₂	1.84	2.88
		VOC	0.55	0.86
11-E	100-hp Caterpillar Model C 4.4 Diesel Engine	PM	0.22	0.34
		PM ₁₀	0.22	0.34
		PM _{2.5}	0.22	0.34
		NO _x	3.10	4.84
		CO	0.67	1.04
		SO ₂	0.21	0.32
		VOC	0.25	0.39
12-E	100-hp Caterpillar Model C 4.4 Diesel Engine	PM	0.22	0.34
		PM ₁₀	0.22	0.34
		PM _{2.5}	0.22	0.34
		NO _x	3.10	4.84
		CO	0.67	1.04
		SO ₂	0.21	0.32
		VOC	0.25	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) PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

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- 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
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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.
 - (6) Loading and unloading fugitives include loading material to hoppers designated EPN 1 and EPN 3.
 - (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: October 25, 2012