

Emission Sources - Maximum Allowable Emission Rates

Permit Number 86966L001

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 (8)	
			lbs/hour	TPY (4)
1, 3, 5, 7-12, 14-16, 18-21, & MTL	Material Handling (5)	PM	0.77	0.77
		PM ₁₀	0.28	0.28
2	Screen 1 (5)	PM	1.10	1.10
		PM ₁₀	0.37	0.37
4	Crusher 1 (5)	PM	0.54	0.54
		PM ₁₀	0.24	0.24
6	Screen 2 (5)	PM	0.99	0.99
		PM ₁₀	0.33	0.33
13	Crusher 2 (5)	PM	0.24	0.24
		PM ₁₀	0.11	0.11
17	Screen 3 (5)	PM	0.44	0.44
		PM ₁₀	0.15	0.15
ENG 1	Cat 3406C (400 hp) Diesel Engine (6)	NO _x	9.86	14.79
		CO	0.79	1.19
		SO ₂	0.82	1.23
		PM ₁₀	0.17	0.26
		VOC	0.15	0.23
ENG 2	Cat 3456 (483 hp) Diesel Engine (6)	NO _x	5.83	8.75
		CO	0.25	0.38
		SO ₂	0.99	1.49
		PM ₁₀	0.06	0.09
		VOC	0.07	0.11
STK	Stockpiles (5)(7)	PM	-.--	2.48
		PM ₁₀	-.--	1.24

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- (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
 - HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
 - IOC-U - inorganic compounds (unspeciated)
 - 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
 - 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only.
- (6) Generator emissions based on 3,000 hours of operation per year.
- (7) Based on one acre of active stockpiles and four acres of inactive stockpiles.
- (8) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rates:

<u>24</u> Hrs/day	<u>7</u> Days/week	<u>52</u> Weeks/year	or <u>8,760</u> Hrs/year
Crusher 1	450 Tons per hour	900,000 Tons per year.	
Crusher 2	200 Tons per hour	400,000 Tons per year	
Facility	500 Tons per hour	1,000,000 Tons per year	

Date: January 25, 2019