

Emission Sources - Maximum Allowable Emission Rates

Permit Number 43481

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 (11)	
			lbs/hour	TPY (4)
Crushing Plant				
F1	Crushing (5)(6)	PM	1.20	2.40
		PM ₁₀	0.57	1.13
		PM _{2.5}	0.09	0.19
F2, F3	Material Handling (5)	PM	1.17	2.34
		PM ₁₀	0.39	0.77
		PM _{2.5}	0.11	0.22
F4	Screening Operations (5)(7)	PM	2.92	5.84
		PM ₁₀	0.98	1.97
		PM _{2.5}	0.07	0.13
F5	Stockpiles (5)	PM	---	26.21
		PM ₁₀	---	12.48
		PM _{2.5}	---	1.89
Wash Plant				
G3	Stockpiles (5)	PM	---	1.51
		PM ₁₀	---	0.72
		PM _{2.5}	---	0.11
Soil Stabilization Plant				
H1	Material Handling (5)	PM	0.25	1.10
		PM ₁₀	0.08	0.36

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		PM _{2.5}	0.02	0.10
H2	Screening Operations (5)	PM	0.66	2.89
		PM ₁₀	0.22	0.97
		PM _{2.5}	0.02	0.07
H3	Stockpiles (5)	PM	---	1.45
		PM ₁₀	---	0.69
		PM _{2.5}	---	0.10
H4	Asphalt Tank	VOC	<0.01	<0.01
H5	Pug Mill No. 1 (5)	PM	0.66	1.65
		PM ₁₀	0.22	0.56
		PM _{2.5}	0.22	0.56
		CO	0.01	0.01
		VOC	<0.01	0.03
		SO ₂	0.10	0.43
		NO _x	0.03	0.12
Ballast Plant				
J1	Crushing Operations (5)(8)	PM	1.10	1.85
		PM ₁₀	0.50	0.84
		PM _{2.5}	0.08	0.13
J2	Material Handling (5) (9)	PM	1.05	1.76
		PM ₁₀	0.35	0.59
		PM _{2.5}	0.10	0.16
J3	Screening Operations (5)(10)	PM	5.28	8.88
		PM ₁₀	1.78	2.99

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		PM _{2.5}	0.12	0.20
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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) 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) 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) Includes two crushers, Emission Point Numbers (EPNs F1 [2] and [3] in the Crushing Plant.
- (7) Includes four screens (EPNs 12, 23, 28, and 31) in the Crushing Plant.
- (8) Includes three crushers (EPNs B3, B13, and B36) in the Ballast Plant.
- (9) Includes One Front End Loader (EPN B1), Three Feeders (EPNs B2, B35, and B37) and 21 Conveyors (EPNs B4, B7, B9, B10, B12, B16, B19, B21, B22, B24, B27-B29, B31-B35, and B37- B39) in the Ballast Plant.
- (10) Includes four screens (EPNs B8, B17, B25, B30) in the Ballast Plant.
- (11) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: July 23, 2021