

Emission Sources - Maximum Allowable Emission Rates

Permit Number 32024

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 (15)	
			lbs/hour	TPY (4)
WS-01	Wet Scrubber Stack (S1) (6)	PM	4.55	19.93
		PM ₁₀	0.24	1.05
		PM _{2.5}	0.04	0.16
		SO ₂	1.80	7.88
		NO _x	3.57	15.65
		VOC	0.27	1.16
		CO	2.78	12.18
		Pb	<0.01	<0.01
FUG	Crushing Process (F2) (5)(7)	PM	0.99	4.37
		PM ₁₀	0.26	1.13
		PM _{2.5}	0.04	0.17
FUG	Material Transfer (F3) (5)(8)	PM	0.19	0.85
		PM ₁₀	0.09	0.39
		PM _{2.5}	0.01	0.06
STK	Stockpile (F4) (5)(9)	PM	-	6.62
		PM ₁₀	-	3.17
		PM _{2.5}	-	0.48
DC-01, FUG	Screening and Storage A (S2 and S2F) (5)(10)	PM	0.62	2.72
		PM ₁₀	0.03	0.14
		PM _{2.5}	<0.01	0.02
DC-02, FUG	Screening and Storage A (S3 and S3F) (5)(11)	PM	0.58	2.53
		PM ₁₀	0.03	0.13

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		PM _{2.5}	<0.01	0.02
DC-03, FUG	Bagging (S4 and S4F) (5)(12)	PM	0.23	0.99
		PM ₁₀	0.01	0.05
		PM _{2.5}	<0.01	0.01
DC-04, FUG	Bulk Loadout (S5 and S5F) (5)(13)	PM	0.16	0.69
		PM ₁₀	0.01	0.04
		PM _{2.5}	<0.01	0.01
DC-05, FUG	Waste Loadout (S6 and S6F) (5)(14)	PM	0.16	0.72
		PM ₁₀	0.01	0.04
		PM _{2.5}	<0.01	0.01

- (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
- Pb - lead
- (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) S1 Drying includes the following: BU-01, DR-01, BE-01, BN-02, FE-06, BE-02
- (7) F2 Crushing Process includes the following: HO-01, FE-01, CR-01, BC-01, CR-03, BC-13, VS-01, BC-02, BC-03, STK-01, STK-02, FE-03A, HO-03, FE-07, BC-11, BC-04, BC-05, FE-02, FE-02A, FE-03, FE-04
- (8) F3 Material Transfer includes the following: STK-03, HO-02, BC-06, BN-01, FE-05
- (9) F4 Stockpile includes the following: STK-04
- (10) S2, S2F Screening and Storage A includes the following: BN-03, VS-07, VS-10, VS-11, VS-14, VS-15, SC-04, SC-05, SC-08, SC-09, SI-02, SI-05, SI-07, BC-07, BN-08, VS-16, SC-12, SC-13
- (11) S3, S3F Screening and Storage B includes the following: VS-06, VS-08, VS-09, VS-12, VS-13, SC-01, SC-02, SC-03, SC-06, SC-07, SI-01, SI-03, SI-04, SI-06, BC-08, BC-12, SC-10, SC-11
- (12) S4, S4F Bagging includes the following: BE-03, BN-05, BN-06, BA-01, BA-02, BN-07, LS-03
- (13) S5, S5F Bulk Loadout includes the following: BC-10, LS-01
- (14) S6, S6F Waste Loadout includes the following: BC-09, LS-02
- (15) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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Date: July 11, 2016