

Emission Sources - Maximum Allowable Emission Rates

Permit Number 56523

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	TPY (4)
AP-C1	Aggregate Plant Primary Crusher	PM	0.23	1.02
		PM ₁₀	0.11	0.46
		PM _{2.5}	0.02	0.09
AP-C2	Aggregate Plant Secondary Crusher	PM	1.05	4.61
		PM ₁₀	0.47	2.05
		PM _{2.5}	0.07	0.31
WP-C	Wash Plant Tertiary Crusher	PM	0.14	0.63
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.01	0.05
P-C1	Portable Crusher	PM	0.32	1.42
		PM ₁₀	0.14	0.63
		PM _{2.5}	0.02	0.10
AP-S	Aggregate Plant Screen	PM	0.43	1.88
		PM ₁₀	0.14	0.63
		PM _{2.5}	0.01	0.04
WP-S1	Wash Plant Grizzly Screen at Feeding Unloading	PM	0.04	0.17
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
WP-S2	Wash Plant Grizzly Screen at Crusher	PM	0.04	0.17
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
WP-S3	Wash Plant Wet Screen No. 1	PM	0.04	0.17
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01

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WP-S4	Wash Plant Wet Screen No. 2	PM	0.03	0.12
		PM ₁₀	<0.01	0.04
		PM _{2.5}	<0.01	<0.01
AL-S	Portable AgLime Screen	PM	0.11	0.16
		PM ₁₀	0.04	0.05
		PM _{2.5}	<0.01	<0.01
PS-S	Portable Power Screen, Grizzly and 2-Deck	PM	0.56	2.46
		PM ₁₀	0.20	0.86
		PM _{2.5}	0.03	0.13
P-S1	Portable 3-Deck Screen	PM	1.50	6.57
		PM ₁₀	0.52	2.29
		PM _{2.5}	0.08	0.35
AP-T1	Aggregate Plant Feed Unloading	PM	0.04	0.19
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
AP-T2	Aggregate Plant Truck Loadout	PM	0.27	1.20
		PM ₁₀	0.13	0.57
		PM _{2.5}	0.13	0.57
WP-T1	Wash Plant Truck Unloading	PM	0.03	0.11
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
WP-T2	Wash Plant Truck Loadout	PM	0.01	0.06
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	0.03
AL-T1	Portable AgLime Plant Unloading	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
AL-T2	Portable AgLime Plant Loadout	PM	0.01	0.02
		PM ₁₀	<0.01	0.01

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		PM _{2.5}	<0.01	<0.01
PS-T1	Portable Power Screen Unloading	PM	0.03	0.14
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
PS-T2	Portable Power Screen Loadout	PM	0.03	0.14
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
P-T1	Portable Crusher Unloading	PM	0.08	0.37
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
P-T2	Portable Crusher Loadout	PM	0.08	0.37
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
RS-T	Front-end Loader Dump into Open Railcars	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
R-T1	Truck Dump onto Rail Conveyor	PM	0.02	0.09
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
R-T2	Rail Conveyor to Railcar Transfer Dust Collector	PM	0.26	1.14
		PM ₁₀	0.26	1.14
		PM _{2.5}	0.04	0.18
MHFUG	Aggregate Handling	PM	4.74	20.64
		PM ₁₀	1.74	7.57
		PM _{2.5}	0.12	0.51
SPFUG	Stockpiles	PM	3.30	14.45
		PM ₁₀	1.65	7.23
		PM _{2.5}	0.25	1.09
AL-ENG	AgLime Plant Diesel Generator	PM	0.30	---

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		PM ₁₀	0.30	---
		PM _{2.5}	0.30	---
		NO _x	4.26	---
		CO	0.92	---
		SO ₂	<0.01	---
		VOC	0.35	---
PS-ENG	Power Screen Diesel Generator	PM	0.43	---
		PM ₁₀	0.43	---
		PM _{2.5}	0.43	---
		NO _x	6.17	---
		CO	1.33	---
		SO ₂	<0.01	---
		VOC	0.50	---
ENGs-CAP	AgLime + Power Screen Diesel Engines / Generators Annual Emissions Cap	PM	---	1.09
		PM ₁₀	---	1.09
		PM _{2.5}	---	1.09
		NO _x	---	15.46
		CO	---	3.33
		SO ₂	---	0.01
		VOC	---	1.26
P-ENG	Portable Crusher Diesel Engine	PM	0.17	0.59
		PM ₁₀	0.17	0.59
		PM _{2.5}	0.17	0.59
		NO _x	3.12	10.93
		CO	2.92	10.24
		SO ₂	<0.01	0.03
		VOC	0.25	0.89

(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

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NO _x	- total oxides of nitrogen
SO ₂	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- 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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: Draft 2021