

Emission Sources - Maximum Allowable Emission Rates

Permit Number 141957

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 (6)	
			lbs/hour	TPY (4)
CR-1	Concrete Crusher (5)	PM	0.04	0.07
		PM ₁₀	0.02	0.03
		PM _{2.5}	<0.01	<0.01
CR SCR	Concrete Screener (5)	PM	0.44	1.20
		PM ₁₀	0.15	0.40
		PM _{2.5}	0.01	0.03
C-MH	Concrete Crusher Material Handling (5) (Loading Crusher Hopper, Screener Drop & Conveyor Transfer Points)	PM	0.06	0.08
		PM ₁₀	0.02	0.02
		PM _{2.5}	0.02	0.02
C-STK-ENG	Concrete Stack Engine Stack	NO _x	0.55	0.86
		VOC	0.13	0.20
		CO	0.18	0.28
		SO ₂	0.16	0.25
		PM	0.04	0.06
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.04	0.06
CC TL	Truck Loading No. 1 (5)	PM	0.03	0.04
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01

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PG SCR	Pug Mill Screener (5)	PM	0.77	1.20
		PM ₁₀	0.26	0.40
		PM _{2.5}	0.02	0.03
PMS-ENG	Pug Mill Screener Engine Stack	NO _x	0.39	0.61
		VOC	0.18	0.29
		CO	<0.01	<0.01
		SO ₂	0.23	0.35
		PM	0.05	0.08
		PM ₁₀	0.05	0.08
PMS-MH	Pug Mill Screener Material Handling (5)	PM	0.15	0.24
		PM ₁₀	0.06	0.09
		PM _{2.5}	0.03	0.03
MH-PML	Pug Mill Loading (5)	PM	0.07	0.11
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
SILO-1	Silo Vent	PM	0.10	0.02
		PM ₁₀	0.07	0.01
		PM _{2.5}	0.01	<0.01
MH-10	Mixing Chamber Discharge Drop Point (5)	PM	0.07	0.11
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
MH-TL2	Truck Loading No. 2 (5)	PM	0.07	0.11
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
MH-WPL	Wash Plant Loading (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01

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WP-STK-ENG	Wash Plant Stacker Engine Stack	PM _{2.5}	<0.01	<0.01
		NO _x	0.55	0.86
		VOC	0.13	0.20
		CO	0.18	0.28
		SO ₂	0.16	0.25
		PM	0.04	0.06
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.04	0.06
MH-TL3	Truck Loading No. 3 (5)	PM	0.07	0.11
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
TS-MH	Top Soil Screener Material Handling (5)	PM	0.15	0.24
		PM ₁₀	0.06	0.09
		PM _{2.5}	0.03	0.03
TP SCR	Top Soil Screener (5)	PM	0.77	1.20
		PM ₁₀	0.26	0.40
		PM _{2.5}	0.02	0.03
TS-ENG	Top Soil Screener Engine Stack	NO _x	0.99	1.54
		VOC	0.16	0.25
		CO	0.38	0.60
		SO ₂	0.20	0.31
		PM	0.05	0.07
		PM ₁₀	0.05	0.07
		PM _{2.5}	0.05	0.07
		PM _{2.5}	0.05	0.07
PMTS-STK-ENG	Pug Mill/Top Soil Stacker Engine Stack	NO _x	0.55	0.86
		VOC	0.13	0.20
		CO	0.18	0.28
		SO ₂	0.16	0.25
		PM	0.04	0.06

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<p>(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 MH-TL4 - Truck Loading No. 4 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 ST-1 - Stockpiles (S) 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.</p>		PM ₁₀	0.04	0.06
		PM _{2.5}	0.04	0.06
		PM	0.07	0.11
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
		PM	---	2.26
CC-ENG	Concrete Crusher Engine Stack	PM ₁₀	---	1.13
		PM _{2.5}	---	0.17
		NO _x	0.85	1.32
		CO	Date: November 20, 2020	
			0.91	0.49
		VOC	<0.01	0.02
		SO ₂	0.56	0.88
		PM	<0.01	0.02
CS-ENG	Concrete Screener Engine Stack	PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
		NO _x	0.40	0.62
		CO	<0.01	<0.01
		VOC	0.19	0.29
		SO ₂	0.23	0.36
		PM	0.05	0.09
		PM ₁₀	0.05	0.09
		PM _{2.5}	0.05	0.09