

Emission Sources - Maximum Allowable Emission Rates

Permit Number 155474

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)
E-HOPPERF	Truck Unloading Hopper Fugitives (5)	PM	0.67	0.83
		PM ₁₀	0.13	0.16
		PM _{2.5}	0.01	0.02
E-BREAKF	Feeder-Breaker Fugitives (5)	PM	4.80	7.00
		PM ₁₀	0.91	1.33
		PM _{2.5}	0.10	0.14
E-UNLDCNVF	Unloading Conveyor Fugitives (5)	PM	0.86	1.25
		PM ₁₀	0.16	0.24
		PM _{2.5}	0.02	0.03
E-RDLCNVF	Radial Stacking Conveyor Fugitives (5)	PM	0.86	1.25
		PM ₁₀	0.16	0.24
		PM _{2.5}	0.02	0.03
E-RDLPILF	Radial Stackout Pile Fugitives (5) (6)	PM	4.61	6.73
		PM ₁₀	0.88	1.28
		PM _{2.5}	0.09	0.13
E-PSF	Primary Sampler Fugitives (5)	PM	0.01	0.03
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E-PSBF	Primary Sample Belt Discharge Fugitives (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E-SCF	Sample Crusher Fugitives (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01

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E-SSF	Secondary Sampler Fugitives (5)	PM	0.01	0.03
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E-SSBF	Secondary Sample Belt (5)	PM	<0.01	0.03
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E-ELF	Emergency Loading Fugitives (5)	PM	4.77	0.29
		PM ₁₀	0.91	0.05
		PM _{2.5}	0.10	0.01
E-FWPPENG	Firewater Pump Engine	PM	0.55	0.03
		PM ₁₀	0.55	0.03
		PM _{2.5}	0.55	0.03
		VOC	0.63	0.03
		NO _x	7.75	0.39
		CO	1.67	0.08
		SO ₂	1.01	0.05
E-FWPDNTKV	Firewater Pump Diesel Tank	VOC	0.02	<0.01
MSSFUG	Miscellaneous Maintenance Fugitives (5)	PM	0.86	0.04
		PM ₁₀	0.86	0.04
		PM _{2.5}	0.86	0.04
E-RCLMFDRF	Reclaim Feeders 1 & 2 (transfers to Reclaim Conveyor 1) (5)	PM	1.72	1.67
		PM ₁₀	0.33	0.32
		PM _{2.5}	0.03	0.03
E-RCLMC1F	Reclaim Conveyor 1 (into Silo 1 or onto Silo Feed) (5)	PM	0.43	0.42
		PM ₁₀	0.08	0.08
		PM _{2.5}	0.01	0.01
E-SFCNVF	Silo Feed Conveyor (transfer into Silo 2) (5)	PM	0.43	0.42
		PM ₁₀	0.08	0.08
		PM _{2.5}	0.01	0.01

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E-SILO1DCV	Loadout Silo 1 Dust Control Vent (Optional Control)	PM	0.47	2.06
		PM ₁₀	0.47	2.06
		PM _{2.5}	0.47	2.06
E-SILO2DCV	Loadout Silo 2 Dust Control Vent (Optional Control)	PM	0.47	2.06
		PM ₁₀	0.47	2.06
		PM _{2.5}	0.47	2.06
E-LOAD1F	Silo 1 Railcar Loading Fugitives (5)	PM	0.43	--
		PM ₁₀	0.08	--
		PM _{2.5}	0.01	--
E-LOAD2F	Silo 2 Railcar Loading Fugitives (5)	PM	0.43	--
		PM ₁₀	0.08	--
		PM _{2.5}	0.01	--
E-LOAD1F & E-LOAD2F	Silo 1 and Silo 2 Railcar Loading Fugitives Cap (5)	PM	--	0.42
		PM ₁₀	--	0.08
		PM _{2.5}	--	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
- (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) Emissions quantified include emissions from all typical operations of an open storage pile (e.g., loading, unloading, shaping, compacting, and upkeep).

Date: January 19, 2022