

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1140A

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 (5)	
			lbs/hour	TPY (4)
1	Truck Receiving Pit No. 1	PM	1.70	3.91
		PM ₁₀	0.25	0.58
		PM _{2.5}	0.13	0.30
2	Truck Receiving Pit No. 2	PM	1.70	3.91
		PM ₁₀	0.25	0.58
		PM _{2.5}	0.13	0.30
3	Truck Receiving Pit No. 3	PM	0.17	0.39
		PM ₁₀	0.03	0.06
		PM _{2.5}	0.01	0.03
16	Truck Receiving Pit No. 4	PM	1.02	3.91
		PM ₁₀	0.15	0.58
		PM _{2.5}	0.08	0.30
4	Railcar Receiving Pit No. 1	PM	3.40	3.91
		PM ₁₀	0.50	0.58
		PM _{2.5}	0.26	0.30
5	Railcar Receiving Pit No. 2	PM	0.34	0.39
		PM ₁₀	0.05	0.06
		PM _{2.5}	0.03	0.03
17	Railcar Receiving Pit No. 3	PM	0.10	0.39
		PM ₁₀	0.02	0.06

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		PM _{2.5}	0.01	0.03
	Total Receiving Operations	PM	--	3.91
		PM ₁₀	--	0.58
		PM _{2.5}	--	0.30
6	Pellet Cooler Cyclone A Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		Manganese (6)	1.30E-06	7.79E-07
7	Pellet Cooler Cyclone B Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		Manganese (6)	1.30E-06	7.79E-07
8	Pellet Cooler Cyclone E Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		Manganese (6)	1.30E-06	2.08E-06
15	Pellet Cooler Cyclone F Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		Manganese (6)	1.30E-06	7.79E-07
9	Flake Cooler Cyclone C Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
10	Flake Cooler Cyclone D Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

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		PM _{2.5}	<0.01	<0.01
11	Dust Control Bagfilter System No. 1 Stack (Mixer Nos. 1 and 2)	PM	0.02	0.04
		PM ₁₀	0.06	0.11
		PM _{2.5}	0.01	0.02
		Manganese (6)	4.02E-04	8.04E-04
18	Dust Control Bagfilter System No. 2 Stack (Mineral Mixer No. 3, Hammermill, Truck Loadout No. 2)	PM	0.15	0.36
		PM ₁₀	0.15	0.36
		PM _{2.5}	0.15	0.36
20	Dust Control Bagfilter System No. 3 Stack (Truck Receiving Pit No. 3, Railcar Receiving Pit No. 2, Railcar Receiving Pit No. 3)	PM	0.06	0.06
		PM ₁₀	0.14	0.16
		PM _{2.5}	0.02	0.03
13	Flaker Boiler Stack 150 Horsepower	PM	0.05	0.20
		PM ₁₀	0.05	0.20
		PM _{2.5}	0.05	0.20
		NO _x	0.60	2.61
		CO	0.50	2.19
		VOC	0.03	0.14
		SO ₂	<0.01	0.02
14	Pellet Boiler Stack 150 Horsepower	PM	0.05	0.20
		PM ₁₀	0.05	0.20
		PM _{2.5}	0.05	0.20
		NO _x	0.60	2.61
		CO	0.50	2.19

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		VOC	0.03	0.14
		SO ₂	<0.01	0.02
12	Truck Loadout No. 1 Fugitive	PM	0.33	0.57
		PM ₁₀	0.08	0.14
		PM _{2.5}	0.08	0.14
		Manganese (6)	5.16E-03	1.30E-05
19	Truck Loadout No. 2 Fugitive	PM	0.02	0.06
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
21	Stationary Auger Loadout Fugitive	PM	0.20	0.57
		PM ₁₀	0.05	0.14
		PM _{2.5}	0.05	0.14
22	Overhead Bins Loadout Fugitive	PM	0.20	0.57
		PM ₁₀	0.05	0.14
		PM _{2.5}	0.05	0.14
	Total Loadout Operations	PM	--	0.57
		PM ₁₀	--	0.14
		PM _{2.5}	--	0.14
		Manganese (6)	--	1.30E-05

- (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.

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- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (6) Manganese emissions are included in the emission rates for PM, PM₁₀ and PM_{2.5}.

Date: April 8, 2013