

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49153

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. 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)	<u>Emission Rates</u>	
			lb/hr	
	TPY			
DM1-A	Bulk Product Silo No. 1 Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.18
DM1-B	Bulk Product Silo No. 2 Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.18
DM1-C	Bulk Product Silo No. 3 Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM1-D	Bulk Product Silo No. 4 Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM2	Classifier (4)	PM/PM ₁₀	0.01	0.02
DM3-A	Bagger Silo Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM3-B/C	Bagger Silos Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM4-A/B	Bagger Silos Fabric Filter Baghouse	PM/PM ₁₀	0.29	1.14
DM5	Raymond Mill No. 2 Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM6	Raymond Mill No.1 Fabric Filter Baghouse	PM/PM ₁₀	0.11	0.43
DM7-A	Intermediate Storage	PM	0.01	<0.01

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			lb/hr	TPY
DM7-B	Silo No. 1 (4)	PM ₁₀	0.01	<0.01
	Intermediate Storage	PM	0.01	<0.01
	Silo No. 2 (4)	PM ₁₀	0.01	<0.01
DM7-C	Intermediate Storage	PM	0.01	<0.01
	Silo No. 3 (4)	PM ₁₀	0.01	<0.01
DM7-D	Intermediate Storage	PM	0.01	<0.01
	Silo No. 4 (4)	PM ₁₀	0.01	<0.01
DM7-E	Intermediate Storage	PM	0.01	<0.01
	Silo No. 5 (4)	PM ₁₀	0.01	<0.01
DM7-F	Intermediate Storage Silo No. 6 Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM8	Gas-Fired Rotary Dryer Fabric Filter Baghouse	PM/PM ₁₀	0.51	2.20
		NO _x	4.70	20.60
		CO	3.95	17.30
		SO ₂	0.03	0.13
		VOC	0.26	1.14
DM9	Pug Mill and Conveyor Fabric Filter Baghouse (4)	PM/PM ₁₀	0.02	0.06
DM10	Hammer Mill Fabric Filter Baghouse	PM/PM ₁₀	0.09	0.33
DM12-A	Product Silo Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM12-B	Product Silo Fabric Filter Baghouse	PM/PM ₁₀	0.10	0.36
DM26	Reject Silo Fabric Filter Baghouse	PM/PM ₁₀	0.04	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
DM27-A	Sorter Stockpile (4)	PM	-	<0.01
		PM ₁₀	<0.01	
DM27-B	Optical Sorter Fabric Filter Baghouse	PM/PM ₁₀	0.02	0.06
DM27-C	Apron Dryer	PM	0.99	3.90
		PM ₁₀	0.49	1.92
		NO _x	0.35	1.52
		CO	0.29	1.28
		SO ₂	<0.01	0.01
		VOC	0.02	0.09
DM28	Railcar Loading (4)	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
DM29-A	Railcar Unloading - North (4)	PM	0.13	<0.01
		PM ₁₀	0.07	<0.01
DM29-B	Railcar Unloading - North Conveyor (4)	PM	0.24	0.03
		PM ₁₀	0.12	0.02
DM30-A	Railcar Unloading South (4)	PM	0.09	<0.01
		PM ₁₀	0.05	<0.01
DM30-B	Railcar Unloading South Conveyor (4)	PM	0.06	<0.01
		PM ₁₀	0.03	<0.01
DM31	Stockpile - South (4)	PM	-	0.69
		PM ₁₀	0.35	
DM32-A	Stockpile - North Crude Building (4)	PM	-	0.12
		PM ₁₀	-	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
DM32-B	Truck Loading - North Crude Building (4)	PM	0.02	<0.01
		PM ₁₀	0.01	<0.01
DM33	Truck Loading - South Railcar (4)	PM	0.03	<0.01
		PM ₁₀	0.02	<0.01
DM36	Truck Loading at Silo DM1-C (4)	PM	0.02	<0.01
		PM ₁₀	0.01	<0.01
DM37	Truck Loading at Silo DM1-D (4)	PM	0.02	<0.01
		PM ₁₀	0.01	<0.01
DM38	Fluid Flo Fabric Filter Baghouse	PM/PM ₁₀	0.07	0.25
DM39	Dry Mill Stockpiles (4)	PM	-	0.17
		PM ₁₀ -	0.08	
DM40	Unloading to Pug Mill (4) Feed Hopper	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
DM41	Unloading to Sorter Feed Hopper (4)	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
VOC - volatile organic compounds
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

*Refer to Special Conditions No. 1 for throughput limitations and basis of emission rates.

Dated February 2, 2005