

Emission Sources - Maximum Allowable Emission Rates

Permit Number 83982

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)
Wet Plant #1				
MHFUG-WP#1	Material Handling (5), (7)	PM	0.11	0.47
		PM ₁₀	0.04	0.16
		PM _{2.5}	0.01	0.04
Drying Plant #1				
D03	Dryer #1 Baghouse Stack (21 MMBtu/hr)	PM	1.52	5.32
		PM ₁₀	1.52	5.32
		PM _{2.5}	0.32	1.13
		VOC	0.11	0.40
		NO _x	2.06	7.21
		SO ₂	0.01	0.04
		CO	1.73	6.06
E09	Silo #1 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E10	Silo #2 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E11	Silo #3 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01

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E12	Silo #4 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E13	Silo #5 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E14	Silo #6 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E15	Silo #7 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
MHFUG-DP#1	Material Handling (5), (8)	PM	0.07	0.31
		PM ₁₀	0.02	0.10
		PM _{2.5}	0.01	0.03
Wet Plant #2				
MHFUG-WP#2	Material Handling (5), (9)	PM	0.81	3.53
		PM ₁₀	0.31	1.35
		PM _{2.5}	0.07	0.30
Ultra-Fine Recovery Unit				
MHFUG-UF	Material Handling (5), (11)	PM	0.02	0.10
		PM ₁₀	0.01	0.03
		PM _{2.5}	<0.01	0.01
Drying Plant #3				
D13	Dryer #3 Baghouse Stack	PM	0.89	3.12

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		PM ₁₀	0.89	3.12
		PM _{2.5}	0.14	0.47
		VOC	0.42	1.47
		NO _x	3.82	13.40
		SO ₂	0.05	0.16
		CO	6.42	22.51
E16	Silo #8 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E17	Silo #9 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
MHFUG-DP#3	Material Handling (5), (10)	PM	0.25	1.07
		PM ₁₀	0.08	0.35
		PM _{2.5}	0.02	0.10
Drying Plant #4				
D19	Dryer #4 Baghouse Stack (50 MMBtu/hr)	PM	2.78	9.75
		PM ₁₀	2.78	9.75
		PM _{2.5}	0.49	1.70
		VOC	0.27	0.94
		NO _x	2.45	8.59
		SO ₂	0.03	0.10
		CO	4.12	14.43
MHFUG-DP#4	Material Handling (5), (12)	PM	0.26	1.12

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		PM ₁₀	0.10	0.43
		PM _{2.5}	0.02	0.10
Site-Wide				
SPFUG	Stockpiles (5)	PM	-.--	2.66
		PM ₁₀	-.--	1.33
		PM _{2.5}	-.--	0.20

- (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) 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
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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.
- (7) Includes EPNs A01-A08.
- (8) Includes EPNs D01, D02, D04, and D05.
- (9) Includes EPNs B01-B13.
- (10) Includes EPNs D07-D12.
- (11) Includes EPNs C01 and C02.
- (12) Includes EPNs D16-D18.

Date: January 6, 2017