

Emission Sources - Maximum Allowable Emission Rates

Permit Number 38808

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)
WS-01	Dryer Wet Scrubber Stack 1	VOC	0.66	2.87
		NO _x	8.89	38.93
		SO ₂	0.45	1.96
		PM	4.80	21.02
		PM ₁₀	2.28	9.99
		PM _{2.5}	0.34	1.50
		CO	5.04	22.08
DC-04	High Efficiency Particular Air (HEPA) Cartridge Filter Stack	PM	0.30	1.31
		PM ₁₀	0.14	0.61
		PM _{2.5}	0.02	0.09
DC-05	HEPA Cartridge Filter Stack	PM	0.17	0.74
		PM ₁₀	0.08	0.35
		PM _{2.5}	0.01	0.05
DC-01	Dust Collector (Belt Conveyor BC-05, Bucket Elevator BE-01, Storage Bins BN-01 Through BN-05) Stack 1	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
DC-02	Loadout Dust Collector (Whole Grain Storage Bins BN-06 Through BN-09 and GS-01 Through GS-05, Loadout Conveyors BC-14 and BC-18, Loadout Elevator BE-04, Loadout LS-01	PM	0.01	0.03
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01

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	and LS-03) Stack 2			
DC-03	Dust Collector (Belt Conveyors BC-15 and BC-17 and Bucket Elevator BE-03) Stack 3	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
GSDC-01	Grind Mill (Grinding Mill GSPM-01, Belt Conveyor GSBC-01, Screw Conveyors GSSC-01 Through GSSC-09, and Bucket Elevator GSBE-01) Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
GSDC-02	Product Loadout (Storage Silos GSSI-01 Through GSSI-03 and Loadout GSLS-01) Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
GSDC-03 (Vents inside building)	Dust Collector (Mill Feed Elevator GSBE-03, Bucket Elevator GSBE-02, Feed/Weigh Belt GSFE-01, and Storage Bin GSBN-01) Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BC-01	Belt Conveyor (5)	PM	0.01	0.05
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
BC-02	Belt Conveyor (5)	PM	0.01	0.05
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
BC-06	Belt Conveyor (5)	PM	0.13	0.57
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.01	0.04
BC-07	Belt Conveyor (5)	PM	0.13	0.57
		PM ₁₀	0.06	0.28

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		PM _{2.5}	0.01	0.04
BC-08	Belt Conveyor (5)	PM	0.13	0.57
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.01	0.04
BC-11	Belt Conveyor (5)	PM	0.03	0.13
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01
BC-12	Belt Conveyor (5)	PM	0.03	0.13
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01
BC-13	Belt Conveyor (5)	PM	0.03	0.13
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01
BC-16	Belt Conveyor (5)	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
HO-01	Hopper (5)	PM	0.03	0.14
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01
HO-02	Hopper (5)	PM	0.03	0.14
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01
HO-03	Hopper (5)	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
STK-01	Feed Stockpile 1 (5)	PM	0.17	0.73
		PM ₁₀	0.08	0.36
		PM _{2.5}	0.01	0.05
STK-02	Feed Stockpile 2 (5)	PM	0.17	0.73

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		PM ₁₀	0.08	0.36
		PM _{2.5}	0.01	0.05
STK-03	Feed Stockpile 3 (5)	PM	0.17	0.73
		PM ₁₀	0.08	0.36
		PM _{2.5}	0.01	0.05
STK-04	Feed Stockpile 4 (5)	PM	0.17	0.73
		PM ₁₀	0.08	0.36
		PM _{2.5}	0.01	0.05
STK-05	Hardie Stockpile (5)	PM	0.17	0.73
		PM ₁₀	0.08	0.36
		PM _{2.5}	0.01	0.05
STK-06	Crude Stockpile (5)	PM	0.12	0.54
		PM ₁₀	0.06	0.27
		PM _{2.5}	0.01	0.04
LS-02	Damp Sand Loadout (5)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
FE-01	Feeder (5)	PM	0.03	0.14
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01
FE-02	Feeder (5)	PM	0.13	0.57
		PM ₁₀	0.06	0.28
		PM _{2.5}	0.01	0.04

- (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

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|-------------------|---|
| PM ₁₀ | - 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) Planned startup and shutdown emissions are included for all sources. Any other maintenance Activities are not authorized by this permit, but will be authorized separately.

Date: June 28, 2017