

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 150292

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)
Mill	Hot Gas Generator and Finish Mill Main Dust Collector Stack (25 MMBtu/hr)	PM	0.95	4.18
		PM <sub>10</sub>	0.95	4.18
		PM <sub>2.5</sub>	0.14	0.63
		NO <sub>x</sub>	2.25	9.86
		CO	0.93	4.05
		VOC	0.13	0.59
		SO <sub>2</sub>	0.07	0.15
SEP	Separator Dust Collector Stack	PM	3.69	16.18
		PM <sub>10</sub>	3.69	16.18
		PM <sub>2.5</sub>	0.56	2.45
SWEEP	Finish Mill Sweep Dust Collector Stack	PM	0.18	0.77
		PM <sub>10</sub>	0.18	0.77
		PM <sub>2.5</sub>	0.03	0.12
CONVEY1	Conveyors and Bucket Elevators Dust Collector Stack	PM	0.07	0.32
		PM <sub>10</sub>	0.07	0.32
		PM <sub>2.5</sub>	0.01	0.05
CONVEY2	Conveyance Baghouse Stack	PM	0.07	0.32
		PM <sub>10</sub>	0.07	0.32
		PM <sub>2.5</sub>	0.01	0.05
SILO 1-2	Silos 1 and Silo 2 Dust Collector Stack	PM	0.20	0.87
		PM <sub>10</sub>	0.20	0.87
		PM <sub>2.5</sub>	0.03	0.13
CB-1	Additive Silo Dust Collector Stack	PM	0.22	0.96
		PM <sub>10</sub>	0.22	0.96

Emission Sources - Maximum Allowable Emission Rates

		PM <sub>2.5</sub>	0.03	0.15
MIX	Mix Dust Collector Stack	PM	0.03	0.14
		PM <sub>10</sub>	0.03	0.14
		PM <sub>2.5</sub>	<0.01	0.02
FUG-5	Loadout Dust Collectors 1-3 Stacks	PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	<0.01	0.02
UNLOAD	Barge Unloading (5)	PM	0.90	0.75
		PM <sub>10</sub>	0.36	0.30
		PM <sub>2.5</sub>	0.05	0.05
FUG-1	Material Transfer (5)	PM	0.48	1.54
		PM <sub>10</sub>	0.17	0.56
		PM <sub>2.5</sub>	0.03	0.09
CP-1	Cementitious Product Pile 1 (5)	PM	-	0.06
		PM <sub>10</sub>	-	0.03
		PM <sub>2.5</sub>	-	<0.01
CP-2	Cementitious Product Pile 2 (5)	PM	-	0.06
		PM <sub>10</sub>	-	0.03
		PM <sub>2.5</sub>	-	<0.01
CP-3	Cementitious Product Pile 3 (5)	PM	-	0.06
		PM <sub>10</sub>	-	0.03
		PM <sub>2.5</sub>	-	<0.01
CP-4	Cementitious Product Pile 4 (5)	PM	-	<0.01
		PM <sub>10</sub>	-	<0.01
		PM <sub>2.5</sub>	-	<0.01
GYPSUM	Gypsum Pile (5)	PM	-	<0.01
		PM <sub>10</sub>	-	<0.01
		PM <sub>2.5</sub>	-	<0.01
LIMESTONE	Limestone Pile (5)	PM	-	<0.01

Emission Sources - Maximum Allowable Emission Rates

		PM <sub>10</sub>	-	<0.01
		PM <sub>2.5</sub>	-	<0.01
ENG	Diesel Engine	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
		NO <sub>x</sub>	0.54	2.36
		CO	0.49	2.14
		VOC	0.22	0.96
		SO <sub>2</sub>	<0.01	<0.01
MSS-FUG	MSS Emissions (5)	PM	0.15	<0.01
		PM <sub>10</sub>	0.06	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
		VOC	0.04	<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<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - 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. Maintenance activities, except as specified in Special Condition No. 22, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.

Date: July 6, 2022