

Emission Sources - Maximum Allowable Emission Rates

Permit Number 79808

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)
SILO00021	Cement Silo No. 1 Dust Collector Baghouse Stack	PM	0.02	0.11
		PM ₁₀	0.01	0.04
		PM _{2.5}	<0.01	0.01
BLDGFUG	Building Fugitives (6)	VOC	0.61	1.52
		PM	3.96	17.33
		PM ₁₀	1.43	6.22
		PM _{2.5}	0.19	0.82
		NH ₃	1.06	4.40
		Exempt Solvent	1.97	1.09
BLDGFUGBM3	Ball Mill 3 Building Fugitives (6)	PM	<0.01	0.03
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SANDFUGMH	Outside Sand Material Handling (6)	PM	0.08	0.21
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.01	0.02
SANDFUGMH2	Outside Sand Material Handling 2 (6)	PM	0.07	0.10
		PM ₁₀	0.04	0.05
		PM _{2.5}	<0.01	<0.01
DC-SILO1	Sand Silo 1 Dust Collector Baghouse Stack	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38

Emission Sources - Maximum Allowable Emission Rates

DC-SILO2	Sand Silo 2 Bin Dust Collector Baghouse Stack	PM	0.01	0.05
		PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
BOIL0001	Line 1 Firetube Boiler Stack	NO _x	1.18	5.15
		CO	2.69	11.78
		SO ₂	0.02	0.08
		VOC	0.18	0.77
		PM	0.24	1.07
		PM ₁₀	0.24	1.07
		PM _{2.5}	0.24	1.07
BOIL0002	Line 2 Firetube Boiler Stack	NO _x	1.32	5.79
		CO	3.02	13.24
		SO ₂	0.02	0.09
		VOC	0.20	0.87
		PM	0.27	1.20
		PM ₁₀	0.27	1.20
		PM _{2.5}	0.27	1.20
OVEN0002	Line 1 Gas Furnace Dryer Stack	NO _x	0.54	2.37
		CO	0.45	1.97
		SO ₂	<0.01	0.01
		VOC	0.03	0.13
		PM	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
OVEN0003	Line 2 Radiant Preheater Stack	NO _x	0.78	3.44
		CO	0.66	2.89

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	<0.01	0.02
		VOC	0.04	0.19
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
OVEN0004	Line 2 Gas Furnace Dryer Stack	NO _x	0.78	3.44
		CO	0.66	2.89
		SO ₂	<0.01	0.02
		VOC	0.04	0.19
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
DC-CL1	Finishing Line No. 1 Dust Collector Baghouse Stack	PM	1.59	6.96
		PM ₁₀	1.59	6.96
		PM _{2.5}	1.59	6.96
DC-CL2	Finishing Line No. 1 Dust Collector Baghouse Stack	PM	4.44	19.47
		PM ₁₀	4.44	19.47
		PM _{2.5}	4.44	19.47
DC-SOFF	Soffit Line Dust Collector Baghouse Stack	PM	1.59	6.96
		PM ₁₀	1.59	6.96
		PM _{2.5}	1.59	6.96
ACBDTANK	Autoclave Blowdown Tank Stack	VOC	0.03	0.12
		NH ₃	<0.01	<0.01
		HAPs	0.02	0.11
ACBDCONST1	Condensate Pit Stack - Outside	VOC	1.03	1.19

Emission Sources - Maximum Allowable Emission Rates

		NH ₃	0.14	0.17
ACBDCONST2	Condensate Pit Stack – Inside	VOC	0.73	0.85
		NH ₃	0.10	0.12
SM1_CC	Sheet Machine 1 Cross Cutters Cyclone Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
SM2_CC	Sheet Machine 2 Cross Cutters Cyclone Stack	PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
SANDBV	Sand Day Bin Vent	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
CT0001	Autoclave Cooling Tower 1 (6)	PM	0.16	0.71
		PM ₁₀	0.13	0.58
		PM _{2.5}	<0.01	0.01
CT0002	Autoclave Cooling Tower 2 (6)	PM	0.16	0.71
		PM ₁₀	0.13	0.58
		PM _{2.5}	<0.01	0.01
SMSVS	Slitter Box System (Air Knives) Lines 1 & 2 (6)	PM	0.37	1.62
		PM ₁₀	0.37	1.62
		PM _{2.5}	0.12	0.53
SM1SGS	Line 1 Greensheet Stacker (prior to pre-curing) (6)	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.01	0.03
SANDFUGSP	Sand Outside Stockpile (6)	PM	0.00	0.20

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	-.--	0.10
		PM _{2.5}	-.--	0.01
FCFUGSP1	FC Reject Outside Stockpile 1 (6)	PM	-.--	0.18
		PM ₁₀	-.--	0.09
		PM _{2.5}	-.--	0.01
FCFUGSP2	FC Reject Outside Stockpile 2 (6)	PM	-	0.01
		PM ₁₀	-	<0.01
		PM _{2.5}	-	<0.01
All Emission Points	All Sources	Individual HAPs	-.--	<10.00
		All HAPs	-.--	<25.00

- (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}
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- NH₃ - ammonia
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities with the exception of the material handling system maintenance and the filter change outs are not authorized by this permit. The emission limits specified in the Maximum Allowable Emission Rates Table for the material handling systems, EPN SANDFUGMH and EPN SANDFUGMH2, include emissions from the facility during both normal operations and planned maintenance activities.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.

Date: September 11, 2020