

Emission Sources - Maximum Allowable Emission Rates

Permit Number 45899

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 (7)	
			lbs/hour	TPY (4)
Material Handling				
1-2	Material Handling (5)	PM	0.09	0.13
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.01	0.01
Box Culvert Fill Station				
5-7	Material Handling (5)	PM	0.13	0.25
		PM ₁₀	0.07	0.10
		PM _{2.5}	0.01	0.02
13	Cement Silo Baghouse Stack	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
14	Cement Supplement Silo Baghouse Stack	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
FUG 1	Application of Form Release by Airless Spray Gun (5, 6)	PM	0.04	0.03
		PM ₁₀	0.04	0.03
		PM _{2.5}	0.04	0.03
		VOC	6.25	3.75
Box and Pipe Plant				
16 and 17	Material Handling (5)	PM	0.05	0.06
		PM ₁₀	0.02	0.02
		PM _{2.5}	< 0.01	0.01
18	Dust Collector - Mixer	PM	0.07	0.09
		PM ₁₀	0.07	0.09
		PM _{2.5}	0.07	0.09
19	Silo No. 4 Baghouse Vent	PM	0.11	0.48
		PM ₁₀	0.11	0.48
		PM _{2.5}	0.11	0.48
20	Silo No. 5 Baghouse Vent	PM	0.11	0.48

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		PM ₁₀	0.11	0.48
		PM _{2.5}	0.11	0.48
FUG 2	Application of Form Release by Airless Spray Gun (5, 6)	PM	0.03	0.02
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.03	0.02
Precast Wetcast Plant				
21 - 26	Material Handling (5)	PM	0.05	0.05
		PM ₁₀	0.02	0.02
		PM _{2.5}	< 0.01	< 0.01
27	Precast Wetcast Plant Building - Dust Collector is vented inside the building (5)	PM	0.08	0.35
		PM ₁₀	0.08	0.35
		PM _{2.5}	0.08	0.35
FUG 3	Application of Form Release by Airless Spray Gun, Sponge, Roller or Brush (5, 6)	PM	0.04	0.04
		PM ₁₀	0.04	0.04
		PM _{2.5}	0.04	0.04
		VOC	12.54	15.05
Precast Drycast Plant				
30 - 33	Material Handling (5)	PM	0.09	0.11
		PM ₁₀	0.03	0.04
		PM _{2.5}	0.01	0.01
FUG 4	Application of Form Release by Dipping and Airless Spray Gun, Sponge, Roller or Brush (5, 6)	PM	0.02	0.04
		PM ₁₀	0.02	0.04
		PM _{2.5}	0.02	0.04
		VOC	8.36	15.05
New Plant				
37 - 44	Material Handling (5)	PM	0.07	0.09
		PM ₁₀	0.03	0.04
		PM _{2.5}	0.01	0.01
45	New Plant Building - Dust Collector is vented inside the building (5)	PM	0.34	1.50
		PM ₁₀	0.34	1.50
		PM _{2.5}	0.34	1.50
FUG 5	Application of Form Release by Airless Spray Gun and Dipping (5, 6)	PM	0.04	0.07
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.04	0.07
		VOC	13.27	24.87

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Stockpiles				
STK	Stockpiles (5)	PM	-.--	13.01
		PM ₁₀	-.--	6.50
		PM _{2.5}	-.--	0.98
Surface Coating Operations				
FUG 6	Application of Surface Coating by Brush (5, 6)	VOC	3.46	2.52
Site-Wide Hazardous Air Pollutant (HAP) Limitation				
All Surface Coating Facilities	All Surface Coating Facilities	Individual HAP	-.--	< 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
 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
 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Valid substitution in accordance with the Material Flexibility conditions (located in the permit special conditions) may cause the listed hourly rate to vary.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 11, 2021