

Emission Sources - Maximum Allowable Emission Rates

Permit Number 80166

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), (6)	
			lbs/hour	TPY (4)
1	Regenerative Thermal Oxidizer (Regrind Silos Baghouse)	NO _x	0.22	0.94
		CO	0.18	0.79
		PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
		VOC	0.28	1.22
		SO ₂	<0.01	<0.01
2	Extrusion Area (Roof Vent)	VOC	2.44	10.67
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
3	Print and Thermoforming Area	VOC	2.53	11.07
4	Finished Product Storage 1	VOC	4.57	20.20
5	Finished Product Storage 2	VOC	4.57	20.20
6	Finished Product Storage 3	VOC	4.57	20.20
7	Virgin Polystyrene Silo	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP		<10.00
		Combined HAP		<25.00

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Emission Point No.	Source Name	Air Contaminant Name	Emission Rates	
			lbs/hour	Tons Per Year
Emissions During RTO Maintenance				
BYPASS	Regenerative Thermal Oxidizer Bypass (Regrind Silos Baghouse)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		VOC	28.93	1.23
2	Extrusion Area (Roof Vent)	VOC	2.44	0.10
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
3	Print and Thermoforming Area	VOC	2.36	0.30
4	Finished Product Storage 1	VOC	4.57	0.20
5	Finished Product Storage 2	VOC	4.57	0.20
6	Finished Product Storage 3	VOC	4.57	0.20
7	Virgin Polystyrene Silo	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP		<10.00
		Combined HAP		<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}, 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
- CO - carbon monoxide
- 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.

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(6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: May 20, 2019