

Emission Sources - Maximum Allowable Emission Rates

Permit Number 72932

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 (5)
STMBOIL	Boiler No. 3	PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
		VOC	0.02	0.05
		NO _x	0.10	0.82
		SO ₂	<0.01	<0.01
		CO	0.16	0.69
DRYEROVEN	Dryer/Oven and IR Burner	PM	0.12	0.41
		PM ₁₀	0.12	0.41
		PM _{2.5}	0.12	0.41
		VOC	0.77	2.49
		NO _x	0.48	2.50
		SO ₂	<0.01	0.02
		CO	0.44	1.90
		NH ₃	0.02	0.02
		Formaldehyde	0.20	0.43
BHEXH-1	Roof Penthouse Vent for Baghouse No. 1 & 2, and Bin Vent Filter Exhaust	PM	0.09	0.20
		PM ₁₀	0.09	0.20
		PM _{2.5}	0.09	0.20
COATEXH-1	Coated Substrates (4) Production Line (8 Roof Fans)	PM	0.03	0.08
		PM ₁₀	0.03	0.08
		PM _{2.5}	0.03	0.08

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		VOC	0.25	0.79
		NH ₃	<0.01	<0.01
		Formaldehyde	0.07	0.15

- (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
- NH₃ - ammonia
- (4) Total emissions from all 8 roof vents.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

* Emission rates are based on and the facilities are limited by the following maximum operating parameters:

Hrs/day: 24 Days/week: 7 Weeks/year: 51 and Hrs/year: 8,552

BHEXH-1, fabric filter emission rates are based on operating 4,368 hours per year

Date: November 7, 2014