

Emission Sources - Maximum Allowable Emission Rates

Permit Number 77816

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)
	Gin 1 Precleaning System	PM	32.41	--
		PM ₁₀	14.63	--
		PM _{2.5}	0.88	--
	Gin 1 Burners	PM	0.24	--
		PM ₁₀	0.24	--
		PM _{2.5}	0.24	--
		VOC	0.18	--
		NO _x	3.20	--
		CO	2.69	--
		SO ₂	0.02	--
	Gin 1 Trash System	PM	28.28	--
		PM ₁₀	15.54	--
		PM _{2.5}	1.20	--
	Gin 1 Lint System	PM	67.55	--
		PM ₁₀	18.59	--
		PM _{2.5}	1.14	--
	Gin 1 Trash Handling	PM	10.50	--
		PM ₁₀	3.99	--
		PM _{2.5}	0.26	--
	Gin 2 Precleaning System	PM	46.30	--
		PM ₁₀	20.90	--
		PM _{2.5}	1.26	--
	Gin 2 Burners	PM	0.64	--
		PM ₁₀	0.64	--

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		PM _{2.5}	0.64	--
		VOC	0.46	--
		NO _x	8.40	--
		CO	7.06	--
		SO ₂	0.05	--
	Gin 2 Trash System	PM	40.40	--
		PM ₁₀	22.20	--
		PM _{2.5}	1.72	--
	Gin 2 Lint System	PM	68.50	--
		PM ₁₀	19.96	--
		PM _{2.5}	1.27	--
	Gin 2 Trash Handling	PM	15.00	--
		PM ₁₀	6.09	--
		PM _{2.5}	0.41	--
	Combined Gins Precleaning System	PM	--	39.36
		PM ₁₀	--	17.77
		PM _{2.5}	--	1.07
	Combined Gins Burners	PM	--	0.81
		PM ₁₀	--	0.81
		PM _{2.5}	--	0.81
		VOC	--	0.59
		NO _x	--	10.71
		CO	--	9.00
		SO ₂	--	0.06
	Combined Gins Trash System	PM	--	34.34
		PM ₁₀	--	18.87
		PM _{2.5}	--	1.46
	Combined Gins Lint System	PM	--	82.03
		PM ₁₀	--	22.58

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		PM _{2.5}	--	1.39
	Combined Gins Trash Handling	PM	--	12.75
		PM ₁₀	--	5.18
		PM _{2.5}	--	0.35

- (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
- (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 are not authorized by this permit.

Date: February 6, 2017