

Emission Sources - Maximum Allowable Emission Rates

Permit Number 73877

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)
North Gin				
	Precleaning System	PM	33.99	28.33
		PM ₁₀	15.77	13.15
		PM _{2.5}	1.00	0.84
	Burners	PM	0.27	0.40
		PM ₁₀	0.27	0.40
		PM _{2.5}	0.27	0.40
		VOC	0.20	0.29
		NO _x	3.60	5.23
		CO	3.02	4.39
		SO ₂	0.02	0.03
	Trash System	PM	53.79	44.83
		PM ₁₀	20.39	17.00
		PM _{2.5}	1.52	1.27
	Lint System	PM	45.21	37.68
		PM ₁₀	13.17	10.98
		PM _{2.5}	0.84	0.70
	Trash Handling	PM	9.90	8.25
		PM ₁₀	3.67	3.06
		PM _{2.5}	0.25	0.21
South Gin				
	Precleaning System	PM	30.90	28.33
		PM ₁₀	14.34	13.15
		PM _{2.5}	0.91	0.84

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	Burners	PM	0.29	0.40
		PM ₁₀	0.29	0.40
		PM _{2.5}	0.29	0.40
		VOC	0.21	0.29
		NO _x	3.80	5.23
		CO	3.19	4.39
		SO ₂	0.02	0.03
	Trash System	PM	48.90	44.83
		PM ₁₀	18.54	17.00
		PM _{2.5}	1.39	1.27
	Lint System	PM	41.10	37.68
		PM ₁₀	11.98	10.98
		PM _{2.5}	0.76	0.70
	Trash Handling	PM	9.00	8.25
		PM ₁₀	3.34	3.06
		PM _{2.5}	0.23	0.21
North Gin and South Gin Combined Annual Emissions				
	Precleaning System	PM	--	28.33
		PM ₁₀	--	13.15
		PM _{2.5}	--	0.84
	Burners	PM	--	0.40
		PM ₁₀	--	0.40
		PM _{2.5}	--	0.40
		VOC	--	0.29
		NO _x	--	5.23
		CO	--	4.39
		SO ₂	--	0.03
	Trash System	PM	--	44.83
		PM ₁₀	--	17.00
		PM _{2.5}	--	1.27
	Lint System	PM	--	37.68

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		PM ₁₀	--	10.98
		PM _{2.5}	--	0.70
	Trash Handling	PM	--	8.25
		PM ₁₀	--	3.06
		PM _{2.5}	--	0.21

- (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) CO - carbon monoxide
 NO_x - total oxides of nitrogen
 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
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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: August 21, 2014