

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 18966

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 (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
24	Thermal Oxidizer Stack – during normal operations	VOC	0.13	0.23
		NO <sub>x</sub>	2.89	5.28
		CO	1.49	2.73
		SO <sub>2</sub>	0.01	0.01
		PM	0.05	0.08
		PM <sub>10</sub>	0.05	0.08
		PM <sub>2.5</sub>	0.05	0.08
24	Thermal Oxidizer Stack (6)	VOC	1.22	0.15
25	Ammonia Flare	NH <sub>3</sub>	16.40	7.34
		NO <sub>x</sub>	3.76	6.06
		CO	12.70	20.47
		SO <sub>2</sub>	0.01	0.02
		VOC	0.12	0.20
IMCON3	Fugitives (5)	VOC	0.93	4.09
IMCON4	Powder Charging Hopper (Third Floor)	PM	1.20	0.07
		PM <sub>10</sub>	1.20	0.07
		PM <sub>2.5</sub>	1.20	0.07
IMCON5	Storage Tank 210	VOC	0.02	0.01
IMCON6	Storage Tank 400	VOC	0.10	0.01
IMCON7	Storage Tank 243	VOC	0.01	0.01
IMCON8	Powder Charging Hopper (First Floor)	PM	0.11	0.01
		PM <sub>10</sub>	0.11	0.01
		PM <sub>2.5</sub>	0.11	0.01

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- (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  
NH<sub>3</sub> - ammonia  
CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- (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) Planned thermal oxidizer downtime (product drumming losses and normal storage tank breathing losses vented at Emission Point 24.

Date: September 22, 2023