

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 149231

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 (4)
DC-1	Dust Collector (200-CMM) - Maintenance Room, Portable Sanding Machine, Table Cutting Saw, Manual Sanding Machine, Cross Cutter, Side Cutter, Chip Weighing Table 1 and 2	PM	0.12	0.43
		PM <sub>10</sub>	0.12	0.43
		PM <sub>2.5</sub>	0.12	0.43
RTO	Regenerative Thermal Oxidizer / Dust Collector (300-CMM) - Initiator Storage Tank, Initiator Weighing Tank, Mixing Pump, Slurry Pump, Initiator Pump, Syrup Dissolver A and B, Syrup Cushion Tank A and B, Additives Weighing Table, Mixer A and B, Slurry Tank, Cleaning Bath, Equipment Cleaning, Additives Drum, Vacuum Pump A and B, Roots Blower A and B, PMMA Roots Blower A and B, Filler (ATH) Storage Tank A and B, PMMA Storage Tank, Steel Belt Caster 1 and 2, In-Line Mixer Hood 1 and 2, MMA Storage Tank, Additives Tank B and E	VOC	7.15	3.88
		PM	0.38	0.86
		PM <sub>10</sub>	0.34	0.84
		PM <sub>2.5</sub>	0.32	0.83
		NO <sub>x</sub> (5)	1.48	2.26
		CO (5)	0.66	1.59
		SO <sub>2</sub> (5)	<0.01	0.01
DC-3	Dust Collector (600-CMM) - Length Cutting Machine, Dry Sander 1 and 2, Edge Cutter, Width and Center Cutting Machine	PM	0.36	1.29
		PM <sub>10</sub>	0.36	1.29
		PM <sub>2.5</sub>	0.36	1.29
MSS-FILTER	Dust Collectors – Filter Changes	PM	0.05	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
FUG-1	Outdoor Fugitive Emissions (7)	VOC	0.20	0.88
FUG-2	Building Fugitive Emissions (7)	VOC	0.50	2.17
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00

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		Total HAP	---	<25.00
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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  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
PM<sub>10</sub> - total 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  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
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) Emissions from the combustion of natural gas and process streams.
- (6) Maintenance, startup, and shutdown emissions are included in the allowable emission rates.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: July 10, 2023