

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 160425

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	
			lbs/hour	TPY (4)
RTO	Regenerative Thermal Oxidizer  (Batch Booths, Cure Oven, Paint Booth #2 and Flashoff Area, 60% of Molding, routed to a Regenerative Thermal Oxidizer) (7)	VOC	1.38	2.33
		PM	0.14	0.46
		PM <sub>10</sub>	0.14	0.46
		PM <sub>2.5</sub>	0.14	0.46
		Exempt Solvents	0.49	0.72
		HAPs	0.01	0.01
		NO <sub>x</sub>	1.15	5.05
		CO	0.97	4.24
		SO <sub>2</sub>	0.01	0.03
FUG	Fugitive Emissions (7)	VOC	4.29	4.83
		Exempt Solvents	0.02	0.04
		HAPs	9.87	1.39
MOLD	Molding Stack (7)	VOC	3.48	3.48
CURE	Cure Oven RTO Bypass (6)	VOC	14.49	0.87
		PM	0.03	<0.01
		PM <sub>10</sub>	0.03	<0.01
		PM <sub>2.5</sub>	0.03	<0.01
		Exempt Solvents	6.41	0.38
		HAPs	0.05	<0.01
		NO <sub>x</sub>	0.17	0.01
		CO	0.14	0.01
		SO <sub>2</sub>	<0.01	<0.01
DRY	Dry Oven	VOC	0.01	0.05
		PM	0.01	0.04

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		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	0.01	0.04
		NO <sub>x</sub>	0.11	0.48
		CO	0.09	0.40
		SO <sub>2</sub>	<0.01	<0.01
PB2	Paint Booth 2 and Flash Off Area - RTO Bypass (6)	VOC	57.88	3.47
		PM	0.06	<0.01
		PM <sub>10</sub>	0.06	<0.01
		PM <sub>2.5</sub>	0.06	<0.01
		Exempt Solvents	25.65	1.54
		HAPs	0.20	0.02
BATCH	Batch Booths RTO Bypass (6)	VOC	4.14	0.25
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Exempt Solvents	1.83	0.11
		HAPs	0.02	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP	--	< 10.00
		All HAPs	--	< 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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - 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>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - 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) The allowable emission rates include planned maintenance, startup, and shutdown activities.
- (6) Emissions exhausted through a bypass should the RTO be down for planned maintenance.
- (7) VOC is released over time from the molding process. 60% of the VOC will be controlled by the RTO, 30% exhausted out the Molding Stack (EPN MOLD), and 10% as building fugitive emissions.

Date: November 19, 2020