

Emission Sources - Maximum Allowable Emission Rates

Permit Number 33646

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 (7)	
			lbs/hour	TPY (4)
RTO-1/CB-1	Emissions Cap - Regenerative Thermal Oxidizer and Cold Bypass Exhaust Stack (Regenerative Thermal Oxidizer, Monorail 1 Line - Paint Booth and Curing Oven, Monorail 2 Line - Paint Booth and Curing Oven, Production 1 Line – Paint Booth and Curing Oven)	VOC + Exempt Solvent		60.55
RTO-1	Regenerative Thermal Oxidizer, Monorail 1 Line - Paint Booth and Curing Oven, Monorail 2 Line - Paint Booth and Curing Oven, Production 1 Line – Paint Booth and Curing Oven	VOC	4.14	
		Exempt Solvent	1.36	
		PM	0.32	0.39
		PM ₁₀	0.32	0.39
		PM _{2.5}	0.32	0.39
		VOC (5)	0.02	0.08
		PM (5)	0.11	0.13
		PM ₁₀ (5)	0.11	0.13
		PM _{2.5} (5)	0.11	0.13
		NO _x (5)	1.13	1.62
		CO (5)	0.48	1.27
		SO ₂ (5)	<0.01	0.01
CB1	Monorail 1 Line - Paint Booth and Curing Oven, Monorail 2 Line - Paint Booth and Curing Oven, Production 1 Line – Paint Booth and Curing Oven	VOC	206.96	
		Exempt Solvent	68.00	
		PM	0.32	0.08
		PM ₁₀	0.32	0.08
		PM _{2.5}	0.32	0.08

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RTO-1/CB-1	Monorail 1 Line - Curing Oven	VOC (6)	0.01	0.05
		PM ₁₀ (6)	0.02	0.07
		PM _{2.5} (6)	0.02	0.07
		NO _x (6)	0.20	0.88
		CO (6)	0.17	0.74
		SO ₂ (6)	<0.01	0.01
RTO-1/CB-1	Monorail 2 Line - Curing Oven	VOC (6)	<0.01	0.01
		PM ₁₀ (6)	<0.01	0.01
		PM _{2.5} (6)	<0.01	0.01
		NO _x (6)	0.04	0.18
		CO (6)	0.03	0.15
		SO ₂ (6)	<0.01	<0.01
RTO-1/CB-1	Production 1 Line - Curing Oven	VOC (6)	0.01	0.06
		PM ₁₀ (6)	0.02	0.08
		PM _{2.5} (6)	0.02	0.08
		NO _x (6)	0.25	1.10
		CO (6)	0.21	0.92
		SO ₂ (6)	<0.01	0.01
M1-W	Monorail 1 Line – Wash Bay Oven	VOC (6)	0.01	0.05
		PM ₁₀ (6)	0.02	0.07
		PM _{2.5} (6)	0.02	0.07
		NO _x (6)	0.20	0.88
		CO (6)	0.17	0.74
		SO ₂ (6)	<0.01	<0.01
M2-W	Monorail 2 Line – Wash Bay Oven	VOC (6)	<0.01	0.01
		PM ₁₀ (6)	0.01	0.02
		PM _{2.5} (6)	0.01	0.02
M2-W	Monorail 2 Line – Wash Bay Oven	NO _x (6)	0.06	0.26
		CO (6)	0.05	0.22

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		SO ₂ (6)	<0.01	<0.01
P1-W	Production 1 Line – Wash Bay Oven	VOC (6)	0.01	0.06
		PM ₁₀ (6)	0.02	0.08
		PM _{2.5} (6)	0.02	0.08
		NO _x (6)	0.25	1.10
		CO (6)	0.21	0.92
		SO ₂ (6)	<0.01	0.01
RTO-1/CB-1	Monorail 1 Line – Air-Makeup Unit	VOC (6)	0.02	0.07
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		NO _x (6)	0.30	1.31
		CO (6)	0.25	1.10
		SO ₂ (6)	<0.01	0.01
RTO-1/CB-1	Production 1 Line – Air-Makeup Unit	VOC (6)	0.02	0.07
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		NO _x (6)	0.30	1.31
		CO (6)	0.25	1.10
		SO ₂ (6)	<0.01	0.01
All Emission Points at the Site	All Sources at the Site	Single HAP		<10.00
		All HAPs		<25.00

- (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_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide

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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) Products of combustion emissions – regenerative thermal oxidizer only.
- (6) Products of combustion emissions.
- (7) Allowable emission rates include planned maintenance, startup and shutdown activities.

Date: December 11, 2014