

Emission Sources - Maximum Allowable Emission Rates

Permit Number 43104

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 – Process Emissions	VOC	0.72	1.56
		Exempt Solvents	0.56	0.88
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
	Regenerative Thermal Oxidizer – Combustion	VOC	0.06	0.28
		NO _x	0.59	2.58
		CO	0.49	2.16
		SO ₂	<0.01	0.02
		PM	0.04	0.2
		PM ₁₀	0.04	0.2
		PM _{2.5}	0.04	0.2
	Regenerative Thermal Oxidizer – Air Makeup Heater	VOC	0.06	0.26
		PM	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
		NO _x	0.54	2.36
		CO	0.45	1.98
		SO ₂	<0.01	0.01
5	Boiler	VOC	0.05	0.21
		PM	0.03	0.15
		PM ₁₀	0.03	0.15
		PM _{2.5}	0.03	0.15
		NO _x	0.44	1.93

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		CO	0.37	1.62
		SO ₂	<0.01	0.01
7	Baghouse	PM	1.15	2.35
		PM ₁₀	1.15	2.35
		PM _{2.5}	1.15	2.35
8	Wood Shop Glue Fugitives	VOC	0.03	0.07
	Space Heater Fugitives	VOC	0.01	0.05
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		NO _x	0.09	0.41
		CO	0.08	0.35
		SO ₂	<0.01	<0.01
11	Paint	VOC	60.32	26.09
		Exempt Solvents	26.36	7.62
		PM	<0.01	<0.01
		PM10	<0.01	<0.01
		PM2.5	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Single HAP		<10.00
		Total 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}, 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
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.

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- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 12, 2021