

Emission Sources - Maximum Allowable Emission Rates

Permit Number 70017

This table lists the maximum allowable emission rates and all sources of air contaminants 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.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
VX-1A, VX-1B, VX-2B, VX-3B, GX-1, GX-2, GX-3, GX-4, GX-9, GX-11, GX-12, GX-13, GX-14, AX-1, AX-2, AX-3, AX-4, AX-5, AX-6, AX-7, AX-8, CX-1, CX-2, CX-3, CX-4, and MISC	FAB1 Building and Miscellaneous Sources	VOC	6.80	25.62 (7)
		VOC	36.00 (4)	6.10 (4)
		Exempt VOC	2.80	12.25 (7)
		Exempt VOC	11.50 (4)	1.94 (4)
		PM ₁₀ /PM _{2.5}	0.50	2.20
		GIC	7.80	29.41
		CO	0.50	2.20
		NO _x	0.11	0.50
		VOC (3)	0.10	<0.20
		PM ₁₀ /PM _{2.5} (3)	0.10	0.30
		NO _x (3)	1.80	7.90
		CO (3)	2.33	10.20
		SO ₂ (3)	0.01	0.02
B1, B2, B3, and VGX-1	MECH Building (Industrial Chillers and Three Boilers)	VOC	0.01	0.01
		Exempt VOC	4.95	15.52
		GIC	0.01	<0.01
		VOC (3)	1.32 (5)	0.95 (5)(8)
		PM ₁₀ /PM _{2.5} (3)	1.10 (5)	0.61 (5)(8)
		NO _x (3)	8.23 (5)	2.50 (5)(8)
		CO (3)	4.84 (6)	5.90 (5)(8)
		SO ₂ (3)	22.89 (5)	1.89 (5)(8)
ST1, ST2, ST3, T1VOC, T2VOC, T3VOC, T4VOC, T5VOC, T6VOC, T-1ING, and TINGMISC	TANKS (Process Material, Fuel, and Waste Solvent)	VOC	0.10	1.20
		Exempt VOC	0.01	0.02
		GIC	0.10	0.03
All Emission Points	All Sources	Single HAP		<10.00
		Multiple HAPS		<25.00

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- (1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- Exempt VOC - organic compounds defined as exempt solvents in Title 30 Texas Administrative Code § 101.1
- PM₁₀ - 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
- GIC - gaseous inorganic compounds including acids and caustics
- NO_x - total oxides of nitrogen
- SO₂ - 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 (CFR) Part 63, Subpart C
- (2) Rate is for a rolling 12 consecutive months
- (3) Combustion product
- (4) Unabated emissions during planned maintenance, gas curtailments, and switching to backup oxidizers
- (5) Rate from burning No. 2 fuel oil up to 168 hours per year per boiler
- (6) Rate from burning natural gas
- (7) Rate from limiting perfluorocarbons, hydrofluorocarbons, and sulfur hexafluoride usage as defined in 40 CFR 51 and 52
- (8) Rate from burning 100,000,000 standard cubic feet of natural gas per year on a rolling 12 consecutive month basis

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