

Emission Sources - Maximum Allowable Emission Rates

Permit Number 100133

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)
QFS2	Quench Furnace Stack	NO _x	6.36	11.04
		CO	5.34	9.27
		SO ₂	0.04	0.07
		VOC	0.35	0.61
		PM	0.48	0.84
		PM ₁₀	0.48	0.84
		PM _{2.5}	0.48	0.84
		HAPS	0.12	0.21
TFS2	Tempering Furnace Stack	NO _x	5.30	8.83
		CO	4.45	7.42
		SO ₂	0.03	0.05
		VOC	0.29	0.49
		PM	0.40	0.67
		PM ₁₀	0.40	0.67
		PM _{2.5}	0.40	0.67
		HAPS	<0.01	<0.01
HTFUG	Heat Treatment Fugitives (5) FINs: Descaling, Descaling Baghouse, Maintenance Welding, Pipe Marking, Manual Regrinding, and	VOC	2.01	2.65
		PM	1.16	2.57
		PM ₁₀	1.16	2.57
		PM _{2.5}	1.16	2.57

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		CO	0.30	1.37
		HAPS	0.04	0.15
PCFUG	Pipe Coupling Fugitives (5) FINs: Cutting, Threading, and Marking, Printing and Inspection, Equipment Lubrication, and Oil Evaporation	VOC	1.23	4.28
		PM	0.48	1.89
		PM ₁₀	0.48	1.89
		PM _{2.5}	0.48	1.89
		HAPS	<0.01	<0.01
CS4	Coating Stack No. 1 FIN: Spray Booth	VOC	2.14	6.74
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		C ₆ H ₅ CH ₃	0.60	2.38
		CH ₃ COOC ₂ H ₅	0.37	1.43
CS5	Coating Stack No. 2	VOC	1.98	6.26
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		C ₆ H ₅ CH ₃	0.56	2.21
		CH ₃ COOC ₂ H ₅	0.33	1.32
CS6	Coating Stack No. 3	VOC	1.98	6.26
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		C ₆ H ₅ CH ₃	0.56	2.21
		CH ₃ COOC ₂ H ₅	0.33	1.32

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PHOS1	Phosphatizing Stack No. 1 (6) FINs: Alkali Wash Tanks, Activation Tank, Phosphate Tanks, Anti Rust Tank, and Rinse Tank	PM	0.10	0.10
		PM ₁₀	0.10	0.10
		PM _{2.5}	0.10	0.10
PHOS2	Phosphatizing Stack No. 2 (6) FINs: Alkali Wash Tank, Activation Tank, Phosphate Tank, Anti Rust Tank, and Rinse Tank	PM	0.10	0.10
		PM ₁₀	0.10	0.10
		PM _{2.5}	0.10	0.10
WW	Wastewater (5)	VOC	0.10	0.10
		PM	0.10	0.10
		PM ₁₀	0.10	0.10
		PM _{2.5}	0.10	0.10

- (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
- 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
- C₆H₅CH₃ - toluene
- CH₃COOC₂H₅ - ethyl acetate
- 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) NaOH, Na₂SiO₃, Na₂CO₃, Mn(H₂PO₄)₂, and Na₄P₂O₇ included in the PM, PM₁₀, and PM_{2.5} emission rates.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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Date: April 23, 2013