

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1090

This table lists the maximum allowable emission rates for the sources of emissions authorized by this permit.

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY(4)
1 and 3	Heaters, Dryers, and Furnaces	PM	0.81	3.60
		VOC	0.64	2.85
		SO ₂	0.05	0.22
		NO _x	2.92	13.72
		CO	2.26	10.66
2	Steel Shot Blasting	PM	0.33	0.45
4A and 4B	Mechanical Plating	VOC	0.05	0.21
		HCl	0.35	1.52
		CuCl ₂ 0.01 0.04		
4C	Stainless Steel Cleaning/Passivating	HF 0.02 0.08		
		HNO ₃ 0.03 0.13		
5	Dichromate Coating	HNO ₃	<0.01	0.01
		HF	<0.01	<0.01
		VOC 0.06 0.52		
7B	Dip/Spin Operation and nc Phosphate Line	VOC	0.24	0.78
		H ₂ CrO ₄ <0.01 <0.01		
7E	Zinc Phosphate Coating Line	H ₃ PO ₄	<0.01	<0.01
		H ₂ CrO ₄	<0.01	<0.01
8	Wastewater Treatment	SO ₂	0.01	0.03
9A	Electroplating	HCl	0.38	1.67
		H ₂ O ₂ <0.01 0.03		
		PM <0.01 0.02		
9B	Electroplating	HCl	0.62	2.70

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY(4)
		NH ₃	<0.01	<0.01
		H ₂ O ₂	<0.01	0.03
		HNO ₃	<0.01	0.03
		VOC	0.04	0.19
		PM 0.02 0.08		
9C	Aluminum Anodizing Line	H ₂ SO ₄	<0.01	<0.01
		CH ₃ COOH	<0.01	<0.01
10A	Chromate Solution Dryer	PM	0.01	0.05
		VOC	0.09	0.38
		SO ₂	<0.01	<0.01
		NO _x	0.16	0.69
		CO	0.13	0.58
		HNO ₃	<0.01	<0.01
10B	Wax Lube Dryers	PM	<0.01	0.02
		VOC	<0.01	0.01
		SO ₂	<0.01	<0.01
		NO _x	0.05	0.21
		CO	0.04	0.18
		HNO ₃	0.21	0.05
10C	Stainless Steel Cleaning /Passivating Dryer	PM	<0.01	<0.01
		VOC	<0.01	<0.01
		SO ₂	<0.01	<0.01
		NO _x	0.02	0.11
		CO	0.02	0.09
		HNO ₃ 0.21 0.05		
15	Waste Water Sludge Dryer	PM	0.40	1.74
		VOC	0.01	0.04
		SO ₂	<0.01	<0.01

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Point No. (1)	Name (2)	Name (3)		lb/hr	TPY(4)
		NO _x		0.15	0.66
		CO		0.13	0.55
16	Latex Paint Operation Fugitives	VOC	0.43	0.60	
		PM	0.02	0.02	
F1	General Maintenance	VOC		5.08	1.94
F2	HCl Storage Tank	HCl		0.01	0.01
F3	Research and Development HCl	VOC	0.05	0.05	
		0.03	0.03		
F4	Degreasers	VOC		0.10	0.45
F5	Dip/Spin Operation	VOC		0.26	0.52

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name.

(3) CH₃COOH - Acetic Acid

NH ₃	-	ammonia
CO	-	carbon monoxide
H ₂ CrO ₄	-	chromic acid
CuCl ₂	-	copper chloride
HCl	-	hydrogen chloride
HF	-	hydrogen fluoride
H ₂ O ₂	-	hydrogen peroxide
HNO ₃	-	nitric acid
PM	-	particulate matter,
suspended in the atmosphere, including PM ₁₀ .		
PM ₁₀	-	particulate matter equal
to or less than 10 microns in diameter.		
H ₃ PO ₄	-	phosphoric acid
SO ₂	-	sulfur dioxide

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H₂SO₄

-

sulfuric acid

NO_x

-

total oxides of nitrogen

VOC

-

volatile organic

compounds as defined in Title 30 Texas Administrative Code Section § 101.1

(4) Rates is for a rolling 12-consecutive-month period.

Date July 13, 2006