

## 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	<u>Air Contaminant</u>	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY(4)
1	Heaters, Dryers, and Furnaces	PM	0.81	3.60
		VOC	0.64	2.85
		SO <sub>2</sub>	0.05	0.22
		NO <sub>x</sub>	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 <sub>2</sub>	0.01	0.04
4C	Stainless Steel Cleaning/Passivating	HF	0.02	0.08
		HNO <sub>3</sub>	0.03	0.13
5	Dichromate Coating	HNO <sub>3</sub>	<0.01	0.01
		HF	<0.01	<0.01
		VOC	0.06	0.52
7B	Dip/Spin Operation and Zinc Phosphate Line	VOC	0.24	0.78
		H <sub>3</sub> PO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> CrO <sub>4</sub>	<0.01	<0.01
7E	Zinc Phosphate Coating Line	H <sub>3</sub> PO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> CrO <sub>4</sub>	<0.01	<0.01
8	Wastewater Treatment	SO <sub>2</sub>	0.01	0.03
9A	Electroplating	HCl	0.38	1.67
		H <sub>2</sub> O <sub>2</sub>	<0.01	0.03
		PM	<0.01	0.02
9B	Electroplating	HCl	0.62	2.70

		NH <sub>3</sub>	<0.01	<0.01
		H <sub>2</sub> O <sub>2</sub>	<0.01	0.03
		HNO <sub>3</sub>	<0.01	0.03
		VOC	0.04	0.19
		PM	0.02	0.08
9C	Aluminum Anodizing Line	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
		CH <sub>3</sub> COOH	<0.01	<0.01
10A	Chromate Solution Dryer	PM	0.01	0.05
		VOC	0.09	0.38
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.16	0.69
		CO	0.13	0.58
		HNO <sub>3</sub>	<0.01	<0.01
10B	Wax Lube Dryers	PM	<0.01	0.02
		VOC	<0.01	0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.05	0.21
		CO	0.04	0.18
		HNO <sub>3</sub>	0.21	0.05
10C	Stainless Steel Cleaning/ Passivating Dryer	PM	<0.01	<0.01
		VOC	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.02	0.11
		CO	0.02	0.09
		HNO <sub>3</sub>	0.21	0.05
15	Waste Water Sludge Dryer	PM	0.40	1.74
		VOC	0.01	0.04
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.15	0.66
		CO	0.13	0.55
16	Latex Paint Operation Fugitives	VOC	0.43	0.60
		PM	0.02	0.02

## EMISSION SOURCES – MAXIMUM ALLOWABLE EMISSION RATE

## AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY (4)
F1	General Maintenance	VOC	5.08	1.94
F2	HCl Storage Tank	HCl	0.01	0.01
F3	Research and Development	VOC	0.05	0.05
		HCl	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) CH<sub>3</sub>COOH - Acetic Acid

NH<sub>3</sub> - ammonia

CO - carbon monoxide

H<sub>2</sub>CrO<sub>4</sub> - chromic acid

CuCl<sub>2</sub> - copper chloride

HCl - hydrogen chloride

HF - hydrogen fluoride

H<sub>2</sub>O<sub>2</sub> - hydrogen peroxide

HNO<sub>3</sub> - nitric acid

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.

H<sub>3</sub>PO<sub>4</sub> - phosphoric acid

SO<sub>2</sub> - sulfur dioxide

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

NO<sub>x</sub> - total oxides of nitrogen

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section § 101.1

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

Dated July 5, 2007