

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1090

This table lists the maximum allowable emission rates for the sources of emissions authorized by this permit. The annual emission rates are for a rolling 12-consecutive-month period.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
1 and 3	Heaters, Dryers, and Furnaces	PM <sub>10</sub>	0.78	3.35
		SO <sub>2</sub>	0.03	0.13
		NO <sub>x</sub>	5.59	24.50
		CO	1.48	6.47
		VOC	2.95	9.67
2	Steel Shot Blasting	PM <sub>10</sub>	0.60	2.62
4A	Mechanical Plating	VOC	0.06	0.11
		HCl	0.07	0.05
4B	Mechanical Plating	VOC	0.06	0.11
		HCl	0.07	0.05
5	Dichromate Coating	HNO <sub>3</sub>	0.01	0.01
		HF	0.01	0.01
7A	Conveyorized Paint Spray Operation	VOC	1.96	0.68
7B	Dip/Spin Operation	VOC	1.12	6.70
7C	Paint Spray Booth	VOC	4.56	1.6
		PM	0.02	0.01
7D	Mixing/Clean-Up Booth	VOC	3.37	1.75
8	Wastewater Treatment	SO <sub>2</sub>	0.28	0.20
9A	Electroplating	HCl	0.04	0.16
9B	Electroplating	HCl	1.28	5.64
		NH <sub>3</sub>	0.01	0.03
		Zinc	0.01	0.01
		VOC	0.29	1.26
		HNO <sub>3</sub>	0.01	0.01
10A	Chromate Solution Dryer	SO <sub>2</sub>	0.01	0.01

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
		NO <sub>x</sub>	0.08	0.35
		CO	0.02	0.07
		VOC	0.83	0.19
		PM	0.01	0.04
		HNO <sub>3</sub>	0.21	0.05
10B	Chromate Solution Dryer	SO <sub>2</sub>	0.01	0.01
		NO <sub>x</sub>	0.08	0.35
		CO	0.02	0.07
		VOC	0.83	0.19
		PM	0.01	0.04
		HNO <sub>3</sub>	0.21	0.05
13	Dip/Spin Operation No. 2	VOC	1.86	8.37
16	Latex Paint Operation	VOC	2.67	3.73
F1	General Maintenance	VOC	40.37	4.20
F2	HCl Storage Tank	HCl	0.04	0.32
F3	Research and Development	VOC	2.00	0.50
F4	Degreasers (13 Safety Kleen)	VOC	15.0	4.75
F5	Dip/Spin Operation	VOC	0.74	4.46

(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.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) 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. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
HCl - hydrogen chloride  
HF - hydrogen fluoride  
HNO<sub>3</sub> - nitric acid  
NH<sub>3</sub> - ammonia

Dated \_\_\_\_\_