

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 38383

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. 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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
A	FPI Spray Booth	Oil Mist	0.0009	0.0027
N	HF Caustic Scrubbers Dua11 ET-50 Quantity: 2	Hydrogen Fluoride	0.0003	0.0011
		Argon	2.049	7.23
		Hydrogen	1.946	6.87
L	Glo-Bar Furnace	Argon	0.357	1.09
		Hydrogen	0.0058	0.019
M	Glo-Bar Furnace	Argon	0.357	1.09
		Hydrogen	0.0042	0.014
Q	Glo-Bar Furnace	Argon	0.493	1.51
		Hydrogen	0.0042	0.014
R	Glo-Bar Furnace	Argon	0.493	1.51
		Hydrogen	0.0058	0.019
E	Heat Treat Furnace	Vacuum Oil Mist	1xE-5	0.0003
		Argon	0.28	1.01
F	Heat Treat Furnace	Vacuum Oil Mist	1xE-5	0.0003
		Argon	0.28	1.01
G	Heat Treat Furnace	Vacuum Oil Mist	1xE-5	3xE-5
		Argon	1.46	5.379
H	Heat Treat Furnace	Vacuum Oil Mist	1xE-5	3xE-5
		Argon	0.69	2.531

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
I	Heat Treat Furnace	Vacuum Oil Mist Argon	1xE-5 0.69	3xE-5 2.531
J	Heat Treat Furnace	Vacuum Oil Mist Argon	1xE-5 0.74	3xE-5 2.721
U	Plasma Spray	Nickel Chromium PM	<1xE-5 <1xE-5 <1xE-5	3xE-5 <1xE-5 <1xE-5
Y	Plasma Spray	Nickel Chromium PM	<1xE-5 <1xE-5 <1E-5	3xE-5 <1xE-5 <1xE-5
T	Abrasive Blasting	PM	0.0004	0.0013
O	Acid Strip	Nitric Acid	0.0009	0.026
P	Acid Strip	Nitric Acid	0.0008	0.0025
P	Acid Strip	Phosphoric Acid	0.0023	0.0072
P	Acid Strip	Glacial Acetic Acid	0.0009	0.0026
W	Coating Powder Mixing Station	PM	0.008	0.002
W	Coating Powder	Chromium	7xE-5	2xE-5

(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.

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(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.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

FPI Spray Booth: 24 Hrs/day, 5 Days/week, 51 Weeks/year  
HF Caustic Scrubbers: 24 Hrs/day, 6 Days/week, 49 Weeks/year  
Glo-Bar Furnace: 24 Hrs/day, 5 Days/week, 51 Weeks/year  
Heat Treat Furnace: 24 Hrs/day, 6 Days/week, 51 Weeks/year  
Plasma Spray: 24 Hrs/day, 5 Days/week, 51 Weeks/year  
Abrasive Blasting: 24 Hrs/day, 5 Days/week, 51 Weeks/year  
Acid Etch: 24 Hrs/day, 5 Days/week, 51 Weeks/year  
Coating Powder Mix: 24 Hrs/day, 5 Days/week, 51 Weeks/year

Dated \_\_\_\_\_