

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 38383

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	
	TPY**			
A	Fluorescent Penetrant Inspection Spray Booth	VOC	0.004	0.011
N	Fluoride Ion Cleaning Furnaces (FR-25 and FR-31)	Argon Hydrogen Hydrogen Fluoride	6.57 5.95 <0.01	8.26 7.49 <0.01
L	Glo-Bar Furnace (FR-01)	Argon Hydrogen VOC	8.13 0.53 0.013	14.52 0.92 0.02
M	Glo-Bar Furnace (FR-20)	Argon Hydrogen VOC	7.67 0.48 0.02	12.16 0.77 0.02
Q	Glo-Bar Furnace (FR-03)	Argon Hydrogen VOC	7.39 0.47 0.01	13.71 0.86 0.02
R	GloBar Furnace (FR-15)	Argon Hydrogen VOC	6.90 0.44 0.01	13.91 0.88 0.02
E	Vacuum Furnace (FR-08)	Argon VOC	0.98 <0.01	1.01 <0.01
F	Vacuum Furnace (FR-10)	Argon VOC	1.29 <0.01	1.01 <0.01
G	Vacuum Furnace (FR-09)	Argon VOC	3.70 <0.01	6.35 <0.01
H	Vacuum Furnace (FR-05)	Argon VOC	4.37 <0.01	7.03 <0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY**
I	Vacuum Furnace (FR-02)	Argon VOC	2.38 <0.01	3.18 <0.01
J	Vacuum Furnace (FR-19)	Argon VOC	1.70 <0.01	3.09 <0.01
V	Vacuum Furnace (FR-44)	Argon VOC	5.85 <0.01	10.84 <0.01
X	Vacuum Furnace (FR-30)	Argon VOC	4.80 <0.01	7.93 <0.01
Z	Vacuum Furnace (FR-45)	Argon VOC	5.14 <0.01	9.30 <0.01
B and C	Vapor Phase Aluminide Furnace (FR-42)	Argon	24.46	17.43
		Hydrogen	3.18	2.27
		VOC	0.03 0.02	
D and K	Vapor Phase Aluminide Furnace (FR-43)	Argon	25.97	15.62
		Hydrogen	3.38	2.03
		VOC	0.04 0.02	
O and P	Sodium Hydroxide Clean and Acid Strip	Acids	<0.01	0.02
		Bases	<0.01	<0.01
W	Powder Mixing	PM ₁₀	<0.01	0.014
T	Abrasive Blasting	PM ₁₀	0.02	0.06
U	Plasma Spray	PM ₁₀	0.01	0.02
Y	Plasma Spray	PM ₁₀	0.01	0.02

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- (1) Emission point identification number from a plot plan.
- (2) Specific point source names.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
HCl - hydrogen chloride
HF - hydrogen fluoride
Bases - sodium hydroxide
Acids - phosphoric acid, nitric acid, acetic acid and hydrochloric acid

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: ____
February 18,
2005