

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
N1	Fluoride Ion Cleaning Furnaces (FR-31)	Argon	6.57	8.26
		Hydrogen	5.95	7.49
		Hydrogen Fluoride	<0.01	<0.01
N2	Fluoride Ion Cleaning Furnaces (FR-25)	Argon	6.57	8.26
		Hydrogen	5.95	7.49
		Hydrogen Fluoride	<0.01	<0.01
L	Glo-Bar Furnace (FR-01)	Argon	8.13	14.52
		Hydrogen	0.53	0.92
		VOC	0.013	0.02
M	Glo-Bar Furnace (FR-20)	Argon	7.67	12.16
		Hydrogen	0.48	0.77
		VOC	0.02	0.02
Q	Glo-Bar Furnace (FR-03)	Argon	7.39	13.71
		Hydrogen	0.47	0.86
		VOC	0.01	0.02
R	GloBar Furnace (FR-15)	Argon	6.90	13.91
		Hydrogen	0.44	0.88
		VOC	0.01	0.02
E	Vacuum Furnace (FR-08)	Argon	0.98	1.01
		VOC	<0.01	<0.01
F	Vacuum Furnace (FR-10)	Argon	1.29	1.01
		VOC	<0.01	<0.01
G	Vacuum Furnace (FR-09)	Argon	3.70	6.35
		VOC	<0.01	<0.01
H	Vacuum Furnace	Argon	4.37	12.44

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	(FR-05)	VOC	<0.01	<0.01
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 Hydrogen VOC	24.46 3.18 0.03	30.85 4.02 0.02
D and K	Vapor Phase Aluminide Furnace (FR-43)	Argon Hydrogen VOC	25.97 3.38 0.04	27.64 3.59 0.02
O and P	Sodium Hydroxide Clean and Acid Strip	Acids Bases	<0.01 <0.01	0.02 <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

(1) Emission point identification number from a plot plan.

(2) Specific point source names.

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- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 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 October 30, 2006