

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 84073

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)	Emission Rates	
			lb/hr	TPY*
FUG-PM	PM Fugitives resulting from Blending Booth Nos. 1-16, CNC10, Welding Booth Nos. 1-34, Welding/Blending Booth Nos. 1-40, Plasma Cutters Nos. 1-3	PM/PM ₁₀	0.02	0.04
		Total Fluorides	<0.01	<0.01
		Lead	<0.01	<0.01
PLASMA1, PLASMA2, PLASMA3, PLASMA4, PLASMA5, PLASMA6	Plasma Robots Nos. 1, 2, 3, 4, 5, and 6 Emissions Cap	PM/PM ₁₀	<0.01	<0.01
		VOC	<0.01	<0.01
VF1, VF2, VF3, VF4, VF5, VF6, VF7, VF8	Vacuum Furnace Nos. 1, 2, 3, 4, 5, 6, 7, and 8 Emissions Cap	PM/PM ₁₀	0.39	1.38
		VOC	11.99	0.67
		Exempt Solvents	2.11	0.12
FUG-VOC	Site-wide Material Usage	VOC	9.32	4.18
		Exempt Solvents	0.47	0.21
FUG-ARGON	Site-wide Argon Usage from Welding Booth Nos. 1-34, Vacuum Furnaces Nos.	Argon	1656.67	4196.87

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*
	1-8, Welding/Blending Booth Nos. 1-40, and Plasma Robot Nos. 1-6			
FUG- HYDROGEN	Site-wide Hydrogen Usage from Vacuum Furnaces Nos. 1-8 and Plasma Robot Nos. 1-6	Hydrogen	47.67	158.87
WCT1	Water Cooling Tower No. 1	PM/PM ₁₀	0.03	0.15
WCT2	Water Cooling Tower No. 2	PM/PM ₁₀	0.21	0.92
WCT3	Water Cooling Tower No. 3	PM/PM ₁₀	0.21	0.92
WCT4	Water Cooling Tower No. 4	PM/PM ₁₀	0.21	0.92
WCT5	Water Cooling Tower No. 5	PM/PM ₁₀	0.21	0.92
FUG-NO _x	NO _x Fugitives from Plasma Cutter Nos. 1-3	NO _x	1.47	1.14
All Emission Points	All Sources	Individual HAP Combined HAPs		<10.0 <25.0

(1) Emission point identification.

(2) Specific point source names.

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*
(3)	Exempt Solvent- Those carbon compounds or mixtures of carbon compounds used as solvents which			
		have been excluded from the definition of volatile organic compound.		
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1			
	(30 TAC § 101.1)			
PM	- particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5}			
PM ₁₀	- particulate matter equal to or less than 10 microns in diameter			
NO _x	- total oxides of nitrogen			
HAP	- hazardous air pollutant as listed in 30 TAC § 112(b) of the Federal Clean Air Act or as amended in Title 40 Code of Federal Regulations Part 63, Subpart C			

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

Dated February 17, 2009