

Emission Sources - Maximum Allowable Emission Rates

Permit Number 53050

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
ARGON	Site-wide Argon Usage from TBC101-TBC105, VF1, VF2, VF4, VF5, and WELD	Argon	932.00	3,662
HYDROGEN	Site-wide Hydrogen Usage from TBC101-TBC105	Hydrogen	33.74	147.76
FUG-PM	GB1, GB2, SP-1, GASP-1, GRIND, FPI-AUTO, FPI-MAN, and WELD Fugitives	PM	0.44	1.59
		PM ₁₀	0.17	0.42
		PM _{2.5}	0.17	0.42
VF1, VF2, VF4 and VF5	Vacuum Furnaces 1, 2, 4, and 5 Emissions Cap	PM	0.09	0.33
		PM ₁₀	0.09	0.33
		PM _{2.5}	0.09	0.33
		VOC	0.68	0.33
TBC101 through TBC105	TBC Cells 1 through 5 Emissions Cap	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		VOC	<0.01	<0.01
ACR-FUG	Acid Stripping Line Fugitives	Acidic Gases	0.57	2.14

Emission Sources - Maximum Allowable Emission Rates

ACR-BOIL	ACR Boiler	NO _x	0.08	0.37
		CO	0.07	0.31
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		VOC	0.01	0.02
		SO ₂	<0.01	<0.01
		Lead (Pb)	<0.01	<0.01
ACR-SCRUB	Acid Stripping Line Scrubber	Acidic Gases	0.11	0.41
WCT1	Water Cooling Tower No. 1	PM	0.24	1.06
		PM ₁₀	0.24	1.06
		PM _{2.5}	0.24	1.06
WCT2	Water Cooling Tower No. 2	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
FUG-VOC	Miscellaneous Chemical Usage	VOC	6.12	2.75
Site-wide	Site-wide sources	Individual HAP	----	<10.0
		Total HAPs	----	<25.0

- (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.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

Permit Number 53050
Page

Emission Sources - Maximum Allowable Emission Rates

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: March 28, 2013