

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 37979/N009

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**			
AA-FUG	AA Process Fugitives (4)	CO	<0.01	0.01
		VOC	1.32	5.80
		Organic HAPs	1.07	4.69
		Inorganic HAPs	0.04	0.19
THOX-Y1170	AA Thermal Oxidizer (5)	NO _x	13.51	43.93
		SO ₂	1.54	4.99
		CO	15.87	50.24
		PM/PM ₁₀	14.17	52.12
		VOC	5.73	22.65
		Organic HAPs	1.59	6.08
		Inorganic HAPs	0.03	0.11
AA-MATL	AA Solid Material Handling	PM/PM ₁₀	0.54	0.29
AA-MNTC	AA Plant Maintenance Activities	VOC	0.08	<0.01
		Organic HAPs	0.08	<0.01

- (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 30 Texas Administrative Code Section 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - 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.
 CO - carbon monoxide

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HAP - hazardous air pollutants

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission rates are those related to normal operation of the AA Thermal Oxidizer when serving the Acrylic Acid Unit. The AA Thermal Oxidizer may also be used as a backup control device for the OSBL Thermal Oxidizer. Emission rates related to normal operation of the OSBL Thermal Oxidizer (or the AA Thermal Oxidizer in backup use) when serving the OSBL Unit are identified in related Permit No. 37978.

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

_____Hrs/day ___Days/week ___Weeks/year or 8,760 Hrs/year

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

Dated September 12, 2001