

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 53313

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)lb/hr	Emission Rates *	
			TPY **	
49T149ST	HAc Storage Tank Scrubber T-149	HAc	1.72	1.54
49V578ST	HAc Scavenger Tank	HAc	0.23	<0.01
49V598ST	Personnel Exposure Control Device	VOC	0.02	0.07
		Iodide	<0.01	<0.01
49V601ST	Process Area Scavenger Tank	VOC	0.57	0.02
49V604ST	Steam Condensate Tank	VOC	<0.01	<0.01
49V1049ST	HAc Storage Tank	VOC	0.46	0.09
49V1195ST	Methyl Acetate IFR Storage Tank	methyl acetate	0.31	0.81
		methanol	0.06	0.13
49MN138ST	Acetic Acid Unit Flare	VOC	34.06	10.57
		NO <sub>x</sub>	4.50	2.96
		CO	177.94	149.26
49MN294ST	HAc Loading Thermal Oxidizer	VOC	0.65	1.22
		NO <sub>x</sub>	0.44	1.31
		CO	10.64	38.30
49HACLDFUG	HAc Loading Fugitives (4)	VOC	8.13	15.45
49HACFUG	HAc Unit Equipment Fugitives (4)	VOC	4.18	18.40
		CO	0.51	2.23
		Lil	0.04	0.18
		KI	<0.01	0.01

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)lb/hr	<u>Emission Rates *</u>	
			TPY	
49ANALFUG	Analyzer Vents	VOC	<0.01	<0.01
		CO	<0.01	<0.01
49MT7FUG	Cooling Tower	VOC	2.94	12.88

(1) Emission point identification - either equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources use area name or fugitive source name.

(3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - 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.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

HAc - acetic acid

LiI - lithium iodide

KI - potassium iodide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on the following maximum operating schedule: 8,760 hours per year.

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

Dated December 18, 2002