

# 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)	Emission Rates *	
			lb/hr	TPY**
49T149ST	HAc Storage Tank Scrubber T-149	HAc	4.20	6.70
49V578ST	HAc Scavenger Tank	HAc	0.53	0.01
49V598ST	Personnel Exposure Control Device	VOC	1.38	0.04
		Iodide	0.01	0.01
		Iodine 0.16	0.01	
		methyl acetate	0.14	0.01
49V604ST	Steam Condensate Tank	VOC	0.01	0.01
49V1049ST	HAc Storage Tank	VOC	0.56	0.31
49V1195ST	Methyl Acetate Storage Tank	VOC	0.20	0.56
		methyl acetate	1.11	3.72
49MN138ST	Acetic Acid Unit Flare	VOC	16.73	7.87
		NO <sub>x</sub>	6.28	4.95
		CO	199.04	200.13
		SO <sub>2</sub> 0.15	0.21	
		methyl acetate	5.17	0.02
		I <sub>2</sub> 14.50	5.39	
		HI 14.62	5.43	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
49MN294ST	HAc Loading Thermal Oxidizer	VOC	1.38	3.35
		NO <sub>x</sub>	0.44	1.31
		CO	10.64	38.28
		SO <sub>2</sub>	0.07	0.31
49HACLDFUG	HAc Railcar/Truck Uncollected Loading Losses	VOC	1.62	3.90
49HACFUG	HAc Unit Equipment Fugitives (4)	VOC	6.91	30.19
		CO	1.21	5.28
		methyl acetate	2.21	9.66
49ANALFUG	Analyzer Vents	VOC	0.01	0.01
		CO	0.01	0.01
49MT7FUG	Cooling Tower	VOC	2.94	12.88
49T171ST	Methyl Acetate Recovery Tower	VOC	0.60	2.62
		methyl acetate	2.58	11.29
49V537ST	Methyl Acetate Storage Tank	VOC	0.19	0.70
		methyl acetate	1.25	5.04
49T43ST	Storage Tank Scrubber System T-43	VOC	6.28	13.15
60MN108ST/ 60MN109ST or 60MN3ST/ 60MN4ST	Acrylates I Incinerators (5) or Acrylates II Incinerators	MeOH	0.02	0.01

(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.

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- (3) 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
  - I<sub>2</sub> - Iodine
  - HI - Hydrogen Iodide
  - MeOH- methanol (methyl alcohol)
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions generated by methanol tank truck/railcar loading operations are routed under vacuum to the Acrylates I Incinerators or the Acrylates II Incinerators operating under Permit Number 260. Products of MeOH combustion are included in Permit Number 260.
- \* 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 September 7, 2006