

## 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	<u>TPY**</u>
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## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3619

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.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u> lb/hr	<u>TPY**</u>
1	Oxidizer Scrubber	Diglyme	0.01	0.01
		Pyridine	0.55	1.55
		NH <sub>3</sub>	13.10	20.54
2	Decomposer Scrubber	Diglyme	0.01	0.01
		Pyridine	0.98	2.45
		NH <sub>3</sub>	1.31	3.27
5	300 Area Scrubber	Ammonia	0.01	0.01
		Pyridine	0.01	0.01
		Diglyme	0.01	0.01
		Bipyridyl	0.01	0.01
9	Sodium Tank Vent	Na	0.01	0.01
10	Sodium Transfer System	Na	0.01	0.01
11	Vacuum Still No. 2	Diglyme	0.01	0.01

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			lb/hr	TPY**
	Pump Exhaust	Pyridine	0.01	0.01
		Lubricating Oil	0.01	0.01
12	No. 4 Reactor Feed Two Absorbers	MeCl	0.44	1.92
13	BP Hold Tanks KO Pot	Bipyridyl	0.01	0.01
17	Methylene Chloride Dryer	MeCl <sub>2</sub>	0.01	0.01
18	Decontamination. Scrubber	NH <sub>3</sub>	0.01	0.01
		Pyridine	0.01	0.01
52	Product Tank 28-0932-1	Paraquat	0.01	0.01
53	Product Tank 28-0932-2	Paraquat	0.01	0.01
54	Product Tank 28-0932-3	Paraquat	0.01	0.01
55	Product Tank 28-0933-1	Paraquat	0.01	0.01
56	Product Tank 28-0933-2	Paraquat	0.01	0.01
71	Expansion Tank	MeCl <sub>2</sub>	0.04	0.20
76	BP Drumming Scrubber	Bipyridyl	0.01	0.02
81	Valeric Acid Carbon Filter	Valeric Acid	0.01	0.01
86	Cooling Tower (4)	VOC	0.59	2.58
87	Product Tank 28-0960	Paraquat	0.01	0.01
88	Product Tank 28-0961	Paraquat	0.01	0.01

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89	Flameless Thermal Oxidizer Caustic Scrubber	MeCl	0.01	0.02
		MeOH	0.01	0.01
		HCl	0.01	0.03
		NO <sub>x</sub>	0.04	0.16
		CO	0.04	0.19
90	Product Tank 28-934	Paraquat	0.01	0.01
AREA-1	Fugitives (4)	NH <sub>3</sub>	0.11	0.48
		Pyridine	0.61	2.68
		Digylme	1.32	5.78
		MeCl	0.36	1.58
		MeCl <sub>2</sub>	0.63	2.79

(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) NH<sub>3</sub> - ammonia

Na - sodium

MeCl - methyl chloride

MeCl<sub>2</sub> - methylene chloride

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

HCl - hydrogen chloride

MeOH - methanol

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

CO - carbon monoxide

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

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

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Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year \_\_\_\_\_ or Hrs/year 8,760

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

Dated September 13, 2004