

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 50504

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
MAIN-A_1	Celtone - 13,000 Gallon	VOC	0.05	0.22
		Acetone	0.04	0.19
MAIN-A_2	Methanol - 17,000 Gallon	VOC	0.02	0.43
MAIN-B_3	Xylene - 12,000 Gallon	VOC	<0.01	0.05
MAIN-B_4	Acetone - 12,000 Gallon	Acetone	0.06	1.01
MAIN-C_6	Mineral Spirits/Solvent Naphtha - 8,000 Gallon	VOC	0.07	0.04
MAIN-C_7	Ethylene Glycol - 8,000 Gallon	VOC	0.06	<0.01
MAIN-C_8	Lacquer Diluent - 5,000 Gallon	VOC	0.52	0.04
MAIN-C_9	VM-P Naphtha - 5000 Gallon	VOC	0.05	0.05
MAIN-D_11	Methylene Chloride - 8,000 Gallon	VOC	<0.01	0.03
MAIN-E_12	Ethanol - 8,000 Gallon	VOC	0.05	0.06
MAIN-E_13	Odorless Mineral Spirits - 10,000 Gallon	VOC	0.07	<0.01
MAIN-E_14	Methyl Ethyl Ketone - 12,000 Gallon	VOC	0.06	0.35
MAIN-F_15	n-Propyl Acetate - 5,000 Gallon	VOC	0.45	0.03
MAIN-F_16	Ethyl Acetate - 5,000 Gallon	VOC	0.27	0.11

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MAIN-F_17	Glycol Ether DB - 8,000 Gallon	VOC	0.32	<0.01
MAIN-F_18	Glycol Ether EB - 12,000 Gallon	VOC	0.21	<0.01
MAIN-G_19	n-Propyl Alcohol - 5,000 Gallon	VOC	0.05	<0.01
MAIN-G_20	SC-100 - 5,000 Gallon	VOC	0.05	<0.01
MAIN-G_21	SC-150 - 8,000 Gallon	VOC	0.02	<0.04
MAIN-G_22	Isopropyl Alcohol - 12,000 Gallon	VOC	0.01	0.18
MAIN-H_23	Toluene - 15,000 Gallon	VOC	0.03	0.12
MAIN-H_24	Toluhex - 15,000 Gallon	VOC	0.08	0.27
OXID-1	Peroxide 35 percent - 8,000 Gallon	VOC	<0.01	<0.01
OXID-2	Peroxide 50 percent - 8,000 Gallon	VOC	<0.01	<0.01
TEMPC-2	DDBSA - 8,000 Gallon	VOC	0.03	<0.01
TEMPC-4	DELWET 9 MOL - 12,000 Gallon	VOC	0.05	0.02
WH_USP-1	Glycerine USP - 8,000 Gallon	VOC	<0.01	0.01
WH_USP-2	Propylene Glycol USP - 8,000 Gallon	VOC	<0.01	<0.01
INORG-1	Caustic Soda Liquid (Sodium Hydroxide) - 10,000 Gallon	NaOH	<0.01	<0.01
INORG-2	Caustic Soda Liquid (Sodium Hydroxide) - 10,000 Gallon	NaOH	<0.01	<0.01
INORG-4	Caustic Potash (Potassium Hydroxide) - 12,000 Gallon	KOH	<0.01	<0.01
INORG-5	HCL (Hydrochloric	HCl	<0.01	<0.01

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	Acid) - 10,000 Gallon			
INORG-6	Phosphoric Acid - 12,000 Gallon	H <sub>3</sub> PO <sub>4</sub>	<0.01	<0.01
INORG-9	Sulfuric Acid - 12,000 Gallon	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
MAIN_BL1	Organics Blend Tank - 4,000 Gallon	VOC	0.67	2.69
		Acetone	0.64	2.55
MAIN_BL2	Organics Blend Tank - 8,000 Gallon	VOC	0.67	2.69
		Acetone	0.64	2.55
CAUS_BL	Caustic Blend Tank	NaOH	<0.01	<0.01
MAIN_FILL	Organics Fill Station Exhaust	VOC	7.86	0.97
		Acetone	13.96	0.19
OXID_FILL	Oxidizer Fill Station Exhaust	Hydrogen Peroxide	<0.01	<0.01
TEMP/USP FILL	Temperature Controlled and White USP Product Fill Station Exhaust	VOC	0.64	0.02
CAUS_FILL	Caustic Fill Station Exhaust	NaOH	0.02	<0.01
		KOH	<0.01	<0.01
ACID_FILL	Acid Fill Station Exhaust	HCl	<0.01	<0.01
		H <sub>3</sub> PO <sub>4</sub>	<0.01	<0.01
		H <sub>2</sub> SO <sub>4</sub>	0.10	<0.01
CARBON_1	Methylene Chloride Fill Station Exhaust	CH <sub>2</sub> Cl <sub>2</sub>	0.65	<0.01
INORG_FUG	Inorganics Tank Farm Fugitives (4)	Acids	0.31	1.35
		Caustics	0.31	1.35

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MAIN_FUG	Main Tank Farm Fugitives (4)	VOC	1.48	0.05
		Acetone	0.10	<0.01
OXID_FUG	Oxidizer Tanks Fugitives (4)	Hydrogen peroxide	0.13	0.56
TEMC_FUG	Temperature Controlled Tanks Fugitives (4)	VOC	0.31	1.36
WH_USP FUG	White USP Tank Farm Fugitives (4)	VOC	0.13	0.55

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

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

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

CH<sub>2</sub>Cl<sub>2</sub> - methylene chloride

HCl - hydrogen chloride

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

H<sub>3</sub>PO<sub>4</sub> - phosphoric acid

KOH - potassium hydroxide

NaOH - sodium hydroxide

(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:

\_\_\_\_\_ 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 18, 2002