EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20601

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

Source	Air Contaminant	<u>Emissio</u>	n Rates
Name (2)	Name (3)	lb/hr	TPY
Thermal Oxidizer	PM VOC SO ₂ NO _X CO	0.04 1.04 <0.01 0.84 0.18	0.17 4.54 0.02 3.68 0.78
Carbon Adsorption Sys-<0.01	tem (4)	VOC	0.09
Soybean Oil Tank	VOC	0.02	<0.01
Dipropylene Glycol Ta	nk VOC	0.03	<0.01
Tall Oil Fatty Acid Ta	ank VOC	0.02	<0.01
Ethylene Glycol Tank	VOC	0.48	<0.01
Glycerine Tank	VOC	0.26	<0.01
Tall Oil Fatty Acid Ta	ank VOC	0.02	<0.01
Propylene Glycol Tank	VOC	0.15	<0.01
Diethylene Glycol Tanl	< VOC	0.03	<0.01
Fugitives (5)	VOC	0.93	4.08
	Name (2) Thermal Oxidizer Carbon Adsorption System (2).01 Soybean Oil Tank Dipropylene Glycol Tank Tall Oil Fatty Acid Tank Glycerine Tank Tall Oil Fatty Acid Tank Glycerine Tank Tall Oil Fatty Acid Tank Diethylene Glycol Tank Diethylene Glycol Tank	Name (2) Thermal Oxidizer PM VOC SO2 NOx CO Carbon Adsorption System (4) <0.01 Soybean Oil Tank VOC Dipropylene Glycol Tank VOC Tall Oil Fatty Acid Tank VOC Ethylene Glycol Tank VOC Glycerine Tank VOC Tall Oil Fatty Acid Tank VOC Tall Oil Fatty Acid Tank VOC Diethylene Glycol Tank VOC Propylene Glycol Tank VOC Diethylene Glycol Tank VOC	Name (2) Name (3) 1b/hr Thermal Oxidizer PM VOC 1.04 VOC 1.04 SO2 CO.01 NOX 0.84 CO 0.18 Carbon Adsorption System (4) VOC 0.18 Carbon Oil Tank VOC 0.02 VOC 0.02 Dipropylene Glycol Tank VOC 0.03 0.02 Tall Oil Fatty Acid Tank VOC 0.48 0.48 Glycerine Tank VOC 0.26 0.26 Tall Oil Fatty Acid Tank VOC 0.02 0.02 Propylene Glycol Tank VOC 0.05 0.05 Diethylene Glycol Tank VOC 0.03 0.03

⁽¹⁾ Emission point identification - either specific equipment designation

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or emission point number from plot plan.

- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM_{10} particulate matter less than 10 microns

VOC - volatile organic compounds as defined in General Rule 101.1

 NO_X - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

- (4) The carbon adsorption system shall be used during periods when the thermal oxidizer goes off-line.
- (5) Fugitive emissions are an estimate only.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24	_Hrs/day,	7	_Days/week,	52	_Weeks/year
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Dated		