EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49050

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**
CONV3_ENTR	Converter/Hydrogenator No. 3	PM_{10}	0.20	0.12
CONV4_ENTR	Converter/Hydrogenator No. 4	PM_{10}	0.20	0.12
COOL-CON	Cooling Tower for Converters	VOC	0.01	0.01
		PM_{10} 1.03	4.51	
		Br_2 0.02	0.07	
COOL-EVAP	Cooling Tower for Double-effect Evaporator	Cl_2	0.05	0.21
COOL-WFE	Cooling Tower for WFEs	PM_{10}	0.35	1.52
FU-5	Fugitives (4)	VOC	0.80	3.52
FU-6	Fugitives (4)	PM_{10}	0.04	0.62
HEAT-7	Heater No. 7 (4 MMBtu/hr)	VOC	0.02	0.10
		NO_x	0.40	1.75
		SO_2 0.06	0.26	
		PM_{10} 0.03	0.13	
		CO 0.34	1.47	
LOAD_TC1	Tankcar Loading Area 1	VOC	0.01	0.01
		PM_{10} 0.02	0.01	
LOAD_TC2	Tankcar Loading Area 2	VOC	0.01	0.01
		PM_{10} 0.02	0.01	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
LOAD_TR_E	Truck Loading Station (Tallow and glycerine)	PM_{10}	0.02	0.01
LOAD_TR_W	Truck Loading Station (Pitch)	PM_{10}	0.01	0.01
SCRUB-1	Splitters	PM_{10}	2.59	6.50
T-27	T-SWEET Tank T-27	VOC	0.31	0.08
T-28	T-SWEET Tank T-28	VOC	0.31	0.08
T-29	T-SWEET Tank T-29	VOC	0.31	0.08
T-SCRAP1	Fatty Acid Derivatives Recovery Tank 1	PM_{10}	0.28	0.01
T-SCRAP2	Fatty Acid Derivatives Recovery Tank 2	PM_{10}	1.74	0.16
T44-BDWN	Splitter Blowdown Tank No. 44	PM_{10}	0.72	0.21
T45-BDWN	Splitter Blowdown Tank No. 45	PM_{10}	0.72	0.21
T46-BDWN	Splitter Blowdown Tank No. 46	PM_{10}	0.72	0.21

MAINTENANCE EMISSIONS

FILT_PRES	Filter Press	PM_{10}	13.95	0.87
T_WFE_STM	Steam Collection Tank	VOC	2.78	0.07
		PM_{10}	0.51	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - 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.
CO - carbon monoxide
Br_2 - bromine
Cl_2 - chlorine
(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 ___June 27, 2003___