EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56566

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**
104	Spent Acid Furnace (7)	VOC	0.01	0.01
117	Steam Boiler (5) (2,100 hours per calendar year)	CO	9.06	9.51
		NO_x	30.20	31.71
		PM_{10}	0.82	0.86
		SO_2 0.07	0.07	
		VOC 0.59	0.62	
	Steam Boiler (6) (2,100 hours per calendar year)	CO	3.30	3.47
		NO_x	1.21	1.27
		PM_{10}	0.82	0.86
		SO_2 0.07	0.07	
		VOC 0.59	0.62	
122	Spent Acid Caustic Scrubber (8) (1,314 hours per calendar year)	SO_2	0.03	0.01
		VOC 0.09	7.99	
123	Spent Acid Caustic Scrubber (9) (1,314 hours per calendar year)	SO_2	0.03	0.01
		VOC 0.09	7.99	
124	Tank 77 Oleum Storage Vent	H_2SO_4 (5)	24.17	14.08
		H_2SO_4 (6)	0.15	0.07
125	Oleum Barge Loading Vent	H_2SO_4	0.01	0.01
126	Oleum Rail Loading Stack Vent	H_2SO_4	0.47	0.12
127	Oleum Vent Stack System	H_2SO_4	1.12	0.14

130	Oleum Tank Truck Loading Vent Stack	H_2SO_4	0.03	0.01
FUG-BARGE	Oleum Dock Uncollected Loading Losses	H_2SO_4	0.69	0.34
FUG-LOAD	Spent Sulfuric Acid Dock Uncollected Loading Losses	SO_2 VOC	1.32 0.42	0.10 0.03
FUG-TRUCK	Oleum Tank Truck Uncollected Loading Losses	H_2SO_4	0.27	0.03
FUG-OLEUM1	Oleum Process Fugitives (4)	H_2SO_4	0.09	0.40
FUG-OLEUM2	Oleum Process Fugitives (4)	H_2SO_4	0.02	0.06
FUG-OLEUM3	Oleum Process Fugitives (4)	H_2SO_4	0.03	0.12
FUG-OLEUM4	Oleum Process Fugitives (4)	H_2SO_4	0.02	0.08

(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) CO   - carbon monoxide
H_2SO_4 - sulfuric acid
NO_x - total oxides of nitrogen
PM_{10} - particulate matter (PM) less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO_2 - sulfur dioxide
VOC   - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1.
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Pre emission control
(6) Post emission control

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(7) Only emissions from this permitted facility are shown.
(8) This EPN shall emit collected barge loading vapors from this permitted facility until the emissions are successfully routed to EPN 123. Emissions may not be routed to either caustic scrubber for more than a total combined 1,314 hours per calendar year. The vapor combustor will not control VOC emissions from this permitted facility.
(9) This EPN shall emit collected barge loading vapors from this permitted facility after emissions are successfully re-routed from EPN 122. Emissions may not be routed to either caustic scrubber for more than 1,314 hours per calendar year. Venting may commence by August 31, 2004. The vapor combustor does not control VOC emissions from this permitted facility.

 * 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

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

Dated   June 17, 2004