

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18972

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* #/hr    TPY	
E1	East Acid Scrubber E1	Acid/Alkali Inorganics	0.14 <0.01	0.30 <0.01
E2	East Heat	VOC Acid/Alkali	0.74 <0.01	1.55 <0.01
E3	East Process Exhaust	VOC Acid/Alkali	4.16 0.16	8.73 0.34
E4	East Acid Scrubber E4	Acid/Alkali Inorganics	0.14 <0.01	0.30 <0.01
W1	West Acid Scrubber W1	Acid/Alkali Inorganics	0.52 <0.01	1.09 0.02
W2	West Heat	VOC	1.19	2.50
W3	West Thermal Oxidizer	VOC POC(5)	1.33 0.64	2.80 2.89
W4	West Process Exhaust	VOC Acid/Alkali Organics	7.03 0.14 1.88	14.76 0.30 3.95
W5	West Acid Scrubber W5	Acid/Alkali Inorganics	0.53 <0.01	1.13 0.02
W6	West U-Clean Scrubber W6	Acid/Alkali	0.06	0.13
A1	Step II Expansion Acid Scrubber A1	Acid/Alkali Inorganics	0.93 0.01	1.95 0.02
A2	Step II Expansion	VOC	0.93	2.70
B1,B2	Boiler B1, Boiler B2 (4)	POC	0.88	2.63
B3	Boiler B3	POC	0.66	1.97
B4,B5	Boiler B4, Boiler B5	POC	1.10	3.30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*			
			#/hr	TPY		
T1	Gen. Waste Acid Tank			Acid/Alkali	<0.01	<0.01
T3	Gen. Solvent Waste Tank			VOC	<0.01	0.01
T4	ST502 Waste Tank			VOC	<0.01	0.01
T6	Sodium Hydroxide Tank			Acid/Alkali	<0.01	<0.01

- (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) VOC - volatile organic compounds as defined in General Rule 101.1  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
PM - particulate matter  
CO - carbon monoxide  
Inorganics (Stacks) - arsine, boron trichloride, chlorine, diborane, dichlorosilane, nitrogen trifluoride, phosphine, phosphorus oxychloride, silane, sulfur hexafluoride  
Organics (Stacks) - tetrafluoromethane, CFC-113, CFC-116, CFC-23, CFC-123, freon TF
- (4) Emission rates shown are for a single boiler.
- (5) POC - products of combustion, including VOC, NOx, SO2, PM, and CO.

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

Hrs/day 24 Days/week 7 Weeks/year 50 or Hrs/year 8,400

Revised