EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

9074

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
90	Bulk Storage Flare	NO_x	0.21	0.92
		CO	0.83	3.64
		VOC	2.31	10.12
		SO_2	0.08	0.35
		PM	0.04	0.19
120	Emergency Generator No. 1	SO_2	0.82	0.01
		NO_x	9.62	0.13
		PM	0.96	0.01
		CO	2.5	0.03
		VOC	0.25	0.003
121	Waste Treatment (4) Scrubber System (through 3/31/94)	HCl	0.43	1.88
		Cl_2	0.8	3.5
		FC	65.3	253.8
121	Waste Treatment (5) Scrubber System (after 3/31/94)	HCl	0.92	0.28
		Cl_2	0.29	0.011
		FC	84.0	18.4
122	Main Sniff Scrubber	HCl	0.02	0.09
		Cl_2	0.03	0.13
		FC	0.09	0.39
123	Fugitive Emissions (6)	HCl	0.0092	0.04
126	Fugitive Emissions (6)	HCl	0.117	0.512
135	Backup Sniff Scrubber	HCl	0.02	0.09

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		Cl_2	0.03	0.13
		FC	0.09	0.39
166	H2O2 Storage Tank	H_2O_2	0.32	0.0038

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
170	Boiler (7)	SO_2	8.33	32.84
	(after 12/31/93)	NO_x	12.83	50.58
		PM	0.8	3.16
		CO	24.86	98.01
		VOC	4.49	17.7
175	Fugitive Emissions (6)	FC	0.86	3.78
179	Cooling Tower	PM	1.6	7.01
186	Neutralizer Vent			
	Process A	FC	0.47	2.06
	Process B	FC	0.46	2.02
187	Fugitive Emissions (6)	FC	8.622	37.731
188	Emergency Vent			
	Process A	FC	410.00	0.269
	Process B	FC	410.00	0.222
189	Afterburner Stack	FC	1.84	8.06
	Process A	NO_x	1.0	4.4
		CO	1.0	4.4
		PM	0.3	1.3
		VOC	0.2	0.9
		SO_2	0.1	0.4
		HCl	0.0008	0.0035
		HF	0.0018	0.008

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		Cl_2	0.12	0.43
	Process B	FC	1.58	6.92
		NO_x	1.0	4.4
		CO	1.0	4.4
		PM	0.3	1.3
		VOC	0.2	0.9
		SO_2	0.1	0.4
		HCl	0.0007	0.003
		HF	0.0018	0.008
		Cl_2	0.12	0.43

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
191	Carbon Canister 1	FC	5.00	0.5
192	Afterburner Stack	FC	1.87	8.19
		NO_x	0.89	3.9
		CO	0.54	2.37
		PM	0.23	1.01
		VOC	0.84	1.84
		SO_2	0.12	0.53
		Benzene	<0.001	<0.001
		HF	0.192	0.84
		HCl	0.135	0.59
		Cl_2	<0.001	<0.001
193	Fugitive Emissions (6)	FC	3.35	14.68
		Benzene	<0.001	<0.001
		HCl	0.004	0.0175
194	Emergency Generator No. 3	SO_2	0.82	0.01
		NO_x	9.02	0.12
		PM	0.65	0.01
		CO	1.96	0.03
		VOC	0.72	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

197	Carbon Canister No. 2	FC	12.5	2.74
		HF	0.027	0.01
		Cl_2	0.8	0.17
		HCl	8.04	1.76
210	Emergency Fire Pump No. 1	SO_2	0.41	0.01
		NO_x	4.51	0.12
		PM	0.32	0.008
		CO	0.98	0.026
		VOC	0.36	0.009
211	50% Caustic Tank	NaOH	0.097	0.234

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
215	Emergency Fire Pump No. 2	SO_2	1.23	0.03
		NO_x	13.53	0.35
		PM	0.97	0.025
		CO	2.94	0.077
		VOC	1.08	0.028
225	Vent Condenser (8) Recovery System (through 4/15/94)	FC	17.6	7.95
227	Uni-Cage Bin Filter	PM	0.15	0.005
231	Therminol Heater	SO_2	1.3	5.7
		NO_x	3.18	13.95
		PM	0.11	0.5
		CO	0.8	3.49
		VOC	0.06	0.28

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

233	Packed Scrubber (9) (through 4/15/94)	FC	27.3	120.0
		HF	0.04	0.18
		HCl	0.05	0.2
		Cl_2	0.05	0.2
		PCE	0.12	0.02
234	Vent Condenser (9) Recovery System (through 4/15/94)	FC	46.5	13.61
237	Hot Air Heater	SO_2	0.43	1.9
		NO_x	0.75	3.3
		PM	0.04	0.17
		CO	0.15	0.66
		VOC	0.04	0.18
240	PCE Storage Tank (9) (through 4/15/94)	PCE	0.04	0.18

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
244	Emergency Generator	SO_2	0.82	0.01
	No. 2	NO_x	9.02	0.12
		PM	0.64	0.01
		CO	1.96	0.03
		VOC	0.72	0.01
245	Fugitive Emissions (6)	FC	5.45	23.88
		VOC	0.72	3.15
		HF	0.21	0.9
		HCl	0.17	0.74

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		Cl_2	0.06	0.26
247	Spray Scrubber	HF	0.08	0.03
		HCl	0.08	0.09
		Cl_2	0.09	0.23
		FC	26.0	2.85

(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) NO_x - total oxides of nitrogen
CO - carbon monoxide
FC - fluorocarbons
HCl - hydrogen chloride
HF - hydrogen fluoride
Cl_2 - chlorine
PM - particulate matter
SO_2 - sulfur dioxide
VOC - volatile organic compound
H_2O_2 - hydrogen peroxide
PCE - perchloroethylene
(4) These emission rates are allowable through March 31, 1994.
(5) These emission rates are allowable after March 31, 1994.
(6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(7) These emission rates are allowable after December 31, 1993.
(8) These emission rates for EPN 225 are allowable through April 15, 1994. The allowable short-term emission rate during loading operations is as specified in the table above. The annual allowable rate reflects emissions associated with loading operations as well as with episodes of start-up and purging maintenance; during these episodes, the allowable short-term emissions are as follows:

Start-up: 139.64 lb/hr of FC
Purging maintenance: 219.3 lb/hr of FC

(9) These emission rates are allowable through April 15, 1994.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

Hrs/day___Days/week___Weeks/year___/or Hrs/year_8,760_

Revised_____