

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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		Air Contaminant		Emission Rates *	
	Name (2)	Name (3)	lb/hr	TPY		
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	
			Cl ₂	0.03	0.13	
			FC	0.09	0.39	
166	H ₂ O ₂ Storage Tank		H ₂ O ₂	0.32	0.0038	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

CONTAMINANTS DATA					AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	Emission Rates * TPY		
170	Boiler (7) (after 12/31/93)	SO ₂		8.33	32.84	
		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 Process A	FC		1.84	8.06	
		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	
		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	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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)	lb/hr	<u>Emission Rates *</u> 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	
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	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		PM	0.32	0.008
		CO	0.98	0.026
		VOC	0.36	0.009
211	50% Caustic Tank	NaOH	0.097	0.234

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR

CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u>	
				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	
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	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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)	lb/hr	Emission Rates * 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
		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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

HF - hydrogen fluoride
Cl₂ - chlorine
PM - particulate matter
SO₂ - sulfur dioxide
VOC - volatile organic compound
H₂O₂ - 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 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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated _____