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 Name (2) Name (3)	Air Contaminant <u>Emissio</u> lb/hr TPY		Rates *
120	Emergency Generator No. 1	SO ₂ NO _x TSP CO VOC	0.82 9.62 0.96 2.5 0.25	0.01 0.13 0.01 0.03 0.003
121	Waste Treatment Scrubber System	HCI Cl₂ FC	0.92 0.29 84.0	0.28 0.011 18.4
122	Main Sniff Scrubber	HCI Cl₂ FC	0.02 0.03 0.09	0.09 0.13 0.39
123	Fugitive Emissions (4)	HCI	0.0092	0.04
126	Fugitive Emissions (4)	HCI	0.117	0.512
135	Backup Sniff Scrubber	HCI Cl₂ FC	0.02 0.03 0.09	0.09 0.13 0.39
166	H₂O₂ Storage Tank	H_2O_2	0.32	0.0038
170	Boiler	SO ₂ NO _x TSP CO VOC	8.33 12.83 0.8 24.86 4.49	32.84 50.58 3.16 98.01 17.7
175	Fugitive Emissions (4)	FC	0.86	3.78

	EMISSION SOURCES - MAXIMU	JM ALLOWABLE EMIS	SION RATES	
179	Cooling Tower	TSP	1.6	7.01
186	Neutralizer Vent			
	Process A	FC	0.47	2.06
	Process B	FC	0.46	2.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR

CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Cont Name (3)	aminant lb/hr	Emission Rates * TPY		
187	Fugitive En	nissions (4)		FC	8.622	37.731
188	Emergency Process A Process B			FC FC	410.00 410.00	0.269 0.222
189	Afterburner Process A			FC NO_{x} CO TSP VOC SO_{2} HCI HF Cl_{2}	1.84 1.0 1.0 0.3 0.2 0.1 0.0008 0.0018 0.12	8.06 4.4 4.4 1.3 0.9 0.4 0.0035 0.008 0.43
	Process B			FC NO _x CO TSP VOC SO ₂ HCI HF Cl ₂	1.58 1.0 1.0 0.3 0.2 0.1 0.0007 0.0018 0.12	6.92 4.4 4.4 1.3 0.9 0.4 0.003 0.008 0.43
191	Carbon Ca	nister 1		FC	5.00	0.5
192	Afterburner	Stack		FC NO _x CO TSP VOC SO ₂ Benzene HF HCI	1.87 0.89 0.54 0.23 0.84 0.12 <0.001 0.192 0.135	8.19 3.9 2.37 1.01 1.84 0.53 <0.001 0.84 0.59

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

	LIVISSION SOURCES - MAXIMUM A	ALLOWABLE LIVII33	ION KATES	
		Cl_2	0.00253	0.01110
193	Fugitive Emissions (4)	FC	3.35	14.68
	· ,	Benzene	< 0.001	< 0.001
		HCI	0.004	0.0175

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR

CONTAMINANTS DATA

Emission Point No. (1)	Source Air Name (2) Name	Contaminant (3) lb/hr	Emission Rates * TPY		
194	Emergency Genera No. 3	ator	SO ₂ NO _x TSP CO VOC	0.82 9.02 0.65 1.96 0.72	0.01 0.12 0.01 0.03 0.01
197	Carbon Canister No. 2		FC HF Cl ₂ HCl	12.5 0.02 0.08 8.04	2.74 0.01 0.17 1.76
210	Emergency Fire Pu No. 1	ımp	SO ₂ NO _x TSP CO VOC	0.41 4.51 0.32 0.98 0.36	0.01 0.12 0.008 0.026 0.009
211	50% Caustic Tank		NaOH	0.097	0.234
215	Emergency Fire Pu No. 2	ımp	SO ₂ NO _x TSP CO VOC	1.23 13.53 0.97 2.94 1.08	0.03 0.35 0.025 0.077 0.028
227	Uni-Cage Bin Filter		TSP	0.15	0.005
231	Therminol Heater		SO ₂ NO _x TSP CO VOC	1.3 3.18 0.11 0.8 0.06	5.7 13.95 0.5 3.49 0.28
237	Hot Air Heater		SO ₂ NO _x TSP CO VOC	0.43 0.75 0.04 0.15 0.04	1.9 3.3 0.17 0.66 0.18

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

244	Emergency Generator	SO_2	0.82	0.01
	No. 2	NO _x	9.02	0.12
		TSP CO	0.64 1.96	0.01 0.03
		VOC	0.72	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR

CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Conta Name (3)	aminant lb/hr	Emission Rates * TPY		
	, ,					
245	Fugitive Er	nissions (4)		FC	3.80	16.64
	_	, ,		VOC	0.45	1.962
				HF	0.06	0.25
				HCI	0.09	0.385
				Cl ₂	0.05	0.201
				H_2	0.0153	0.067
247	Spray Scru	bber		HF	0.08	0.03
	υ μ. ε., υ ε. ε			HCI	0.08	0.09
				Cl_2	0.09	0.23
				FC	26.0	2.85
251	CC-97 Pilo	t Plant		HCI	<0.001	0.003
				H_2	7.00	30.70

- (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
 - HCI hydrogen chloride
 - HF hydrogen fluoride
 - Cl₂ chlorine
 - TSP total suspended particulate matter
 - SO₂ sulfur dioxide
 - VOC volatile organic compound
 - H₂O₂ hydrogen peroxide
 - H₂ hydrogen
 - NaOH sodium hydroxide
- (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:

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
Hrs/dayDays/weekWeeks/year/or Hrs/year_8,760_
Dated