EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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**
94	PCE Barge Unloading	PCE	1.18	0.057
96	PCE Tank Fugitives (4)	PCE	0.107	0.467
102	PCE Tank	PCE	0.471	0.183
120	Emergency Generator No. 1	SO_2	1.62	0.011
		NO_x	23.0	0.151
		PM/PM_{10}	1.61	0.011
		CO	4.95	0.033
		VOC/TOC	1.87	0.012
121	Caustic Scrubber	HCl	0.009	0.007
		Cl_2	0.201	0.002
		FC	84.0	18.4
122	HCl Scrubber	HCl	0.02	0.09
		FC	1.02	3.19
123	Fugitives (4)	HCl	0.014	0.059
124	Fugitives (4)	HCl	0.38	1.7
126	Fugitives (4)	HCl	0.068	0.299
166	H_2O_2 Storage Tank	H_2O_2	0.317	0.004
175	Fugitives (4)	FC	1.4	6.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	Emission Rates* TPY**
179	Cooling Tower	PM	1.6	7.01
186	Neutralizer Vent	FC	0.27	1.20
187	Fugitives (4)	FC	2.94	12.87
		VOC	1.32	5.78
		HF	0.080	0.351
		HCl	0.045	0.196
		VCM	0.191	0.835
189	Sniff Scrubber Stack	FC	0.01	0.003
		HCl	0.01	0.001
		HF	0.01	0.001
191	Carbon Canister 1	FC	5.2	0.50
192	Thermal Converter Stack	FC	1.87	8.19
		NO_x	0.89	3.90
		CO	0.54	2.37
		PM/PM_{10}	0.23	1.01
		VOC	1.34	4.03
		SO_2	0.12	0.53
		Benzene	<0.001	<0.001
		VCM	<0.001	0.002
		HF	0.192	0.84
		HCl	0.135	0.59
		Cl_2	0.001	0.004
193	Fugitives (4)	FC	4.34	19.03
		Benzene	<0.001	<0.001
		HCl	0.006	0.024
		VCM	0.017	0.073
193-AqHCl	Fugitives (4)	HCl	0.032	0.142

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
194	Emergency Generator No. 3	SO_2	1.28	0.011
		NO_x	18.1	0.151
		PM/PM_{10}	1.27	0.011
		CO	3.91	0.033
		VOC/TOC	1.48	0.012
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	0.38	0.01
		NO_x	5.4	0.136
		PM/PM_{10}	0.38	0.01
		CO	1.2	0.029
		VOC/TOC	0.44	0.011
215	Emergency Fire Pump No. 2	SO_2	0.81	0.021
		NO_x	11.5	0.302
		PM/PM_{10}	0.81	0.021
		CO	2.47	0.065
		VOC/TOC	0.94	0.025
231	Therminol Heater	SO_2	2.08	9.11
		NO_x	3.64	15.94
		PM/PM_{10}	0.276	1.21
		CO	3.06	13.39
		VOC	0.20	0.88
237	Hot Air Heater	SO_2	0.43	1.89
		NO_x	0.75	3.3
		PM/PM_{10}	0.06	0.25
		CO	0.63	2.77
		VOC	0.04	0.18
244	Emergency Generator No. 2	SO_2	0.38	0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY**
		NO_x	5.4	0.136
		PM/PM_{10}	0.38	0.01
		CO	1.2	0.029
		VOC/TOC	0.44	0.011
245	Fugitives (4)	FC	5.17	22.6
		VOC	0.473	2.07
		HF	0.097	0.425
		HCl	0.056	0.245
		Cl_2	0.028	0.123
		PCE	0.183	0.802
247	Spray Scrubber	HF	0.106	0.041
		HCl	0.996	0.095
		Cl_2	0.11	0.23
		FC	54.5	5.97

(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) PCE - perchloroethylene
SO_2 - sulfur dioxide
NO_x - total oxides of nitrogen
PM - particulate matter suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
TOC - total organic carbon
HCl - hydrogen chloride
Cl_2 - chlorine
FC - fluorocarbons
H_2O_2 - hydrogen peroxide
HF - hydrogen fluoride
VCM - vinyl chloride monomer

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(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:

Hrs/day___Days/week___Weeks/year___ or Hrs/year 8,760

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

Dated May 13, 2005