EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20289

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
002	Process Heater	CO	2.41	8.97
		NO_x	4.82	17.94
		PM_{10}	0.82	3.07
		SO_2	1.92	0.90
		VOC	0.17	0.62
003	Process Heater	CO	2.41	8.97
		NO_x	4.82	17.94
		PM_{10}	0.82	3.07
		SO_2	1.92	0.90
		VOC	0.17	0.62
004	Process Heater	CO	3.10	11.53
		NO_x	6.19	23.06
		PM_{10}	1.06	3.95
		SO_2	2.56	1.19
		VOC	0.22	0.80
020B	Butamer Unit Fugitives (4)	VOC	6.56	28.75
021	Cooling Tower (4)	VOC	0.13	0.55
101	Oleflex Heater	CO	11.77	46.88
		NO_x	17.66	70.33
		PM_{10}	1.43	5.68
		SO_2	0.17	0.75
		VOC	0.40	1.75

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
102	Steam Boiler	CO	8.76	26.17
		NO_x	23.36	69.77
		PM_{10}	1.41	4.23
		SO_2	4.88	2.42
		VOC	0.40	1.18
103	Steam Boiler	CO	8.76	26.17
		NO_x	23.36	69.77
		PM_{10}	1.41	4.23
		SO_2	4.88	2.42
		VOC	0.40	1.18
104A	Flare 1	CO	3.37	4.11
		NO_x	1.48	1.15
		SO_2	<0.01	<0.01
		VOC	11.12	7.44
104B	Flare 2	CO	0.34	1.49
		NO_x	0.07	0.29
		PM_{10}	0.01	0.02
		SO_2	<0.01	<0.01
		VOC	0.01	0.02
105	Thermal Oxidizing Flare	CO	21.4	11.71
		MTBE	32.73	11.82
		NO_x	5.64	3.81
		PM_{10}	0.23	0.18
		SO_2	0.01	0.01
		VOC	0.03	0.03
106	Storage Tank	MEOH	0.84	0.45
107	Storage Tank	MTBE	0.22	0.84
108	Storage Tank	MTBE	0.22	0.84

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
109	Storage Tank	MTBE	1.25	1.87
111	Storage Tank	VOC	0.06	0.09
112	CCR Vent Gas Scrubber	CO	0.09	0.39
		Cl_2	0.04	0.16
		HCl	0.54	2.35
		NO_x	0.04	0.18
		SO_2	1.13	4.94
113	Cooling Tower (4)	VOC	1.05	4.60
114	CPI Separator	VOC	1.50	0.58
115	Oleflex Unit Area Fugitives (4)	VOC		2.01
	8.77			
116	MTBE Unit Area Fugitives (4)	VOC		2.81
	12.36			
117	OSBL Tank Area Fugitives (4)	VOC		0.43
	1.93			
118	OSBL Boiler Area Fugitives (4)	VOC		0.26
	1.14			
119	Wastewater Treatment Area Fugitives (4)	VOC	0.43	1.58
120	PSA Unit Fugitives (4)	VOC	0.24	1.05
121	Diesel Fired Generator	CO	0.90	0.09
		NO_x	4.15	0.43
		PM_{10}	0.30	0.03
		SO_2	0.28	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		VOC	0.33	0.03
122	CCR Chlorine Fugitives (4)	Cl_2	0.01	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
123	Fire Water Engine	CO	0.43	0.05
		NO_x	2.01	0.21
		PM_{10}	0.14	0.02
		SO_2	0.13	0.01
		VOC	0.19	0.02
124	Diesel Storage Tank	VOC	0.06	<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) Cl_2 - chlorine
CO - carbon monoxide
HCl - hydrogen chloride
MEOH - methanol
MTBE - methyl-tert-butyl-ether
NO_x - total oxides of nitrogen
PM_{10} - particulate matter less than 10 microns
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in General Rule 101.1; speciated compounds are not shown in this total.

(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

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AIR CONTAMINANTS DATA

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

Dated ____