EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3214

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**
OL3FUR15	Furnaces (4)	CO	239.53	758.35
		NO_x	520.58	2,237.23
		PM_{10}	48.27	211.43
		SO_2	402.39	1,762.47
		VOC	8.61	37.73
TU30906	Tank T-U3-906	VOC	0.12	0.02
TU30907	Tank T-U3-907	VOC	0.12	0.01
TC33001	Tank T-C3-3001	VOC	13.11	0.37
TC33002	Tank T-C3-3002	DEA	0.02	0.01
TC33003	Tank T-C3-3003	VOC	0.01	0.01
TC33004	Tank T-C3-3004	NaOH	0.01	0.01
TC33005	Tank T-C3-3005	VOC	0.12	0.02
TC33007	Tank T-C3-3007	N_2H_4	1.33	0.01
TF34001	Tank T-F3-4001	VOC	15.15	0.02
TF34002	Tank T-F3-4002	VOC	0.12	0.01
TU30911	Tank T-U3-911	VOC	179.07	1.24
TU30912	Tank T-U3-912	VOC	0.41	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
TU30913	Tank T-U3-913	VOC	205.44	1.24
TU30914	Tank T-U3-914	VOC	0.12	0.01
TU30915	Tank T-U3-915	VOC	0.12	0.01
VC33034	Tank V-C3-3034	VOC	0.12	0.01
TOL912	Tank T-OL-912	VOC	4.34	11.1
		Benzene	1.33	2.33
TOL913	Tank T-OL-913	VOC	6.40	26.8
		Benzene	1.83	3.72
TOL914	Tank T-OL-914	VOC	6.41	32.25
TOL920	Tank T-OL-920	VOC	1.94	4.35
LO3AH	Analyzer Vents (5)	VOC	1.3	5.7
VP31142	Decoking Vents	CO	52.10	133.75
		NO_x	0.21	0.54
		PM_{10}	1.04	2.68
		VOC	0.07	0.18
OL3FUG	Process Fugitives (6)	VOC	59.64	261.21
OP3CWT	Cooling Tower (6)	VOC	5.50	24.10
LO3CPI	CPI Separator (7)	VOC	9.00	8.73
AP-18	Tank AP-18	VOC	2.76	8.66
		Benzene	1.25	3.44
AP-19	Tank AP-19	VOC	7.04	10.12

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
FUGFUT	OP-11 Boilers (6) (FUT 100 and FUT110 Fug)	VOC	0.01	0.05
FUT100	Boiler FUT-100	NO_x	120.00	120.37
		CO	21.00	28.09
		PM_{10}	4.34	5.81
		SO_2	5.71	7.64
		VOC	3.14	4.20
FUT110	Boiler FUT-110	NO_x	120.00	120.37
		CO	21.00	28.09
		PM_{10}	4.34	5.81
		SO_2	5.71	7.64
		VOC	3.14	4.20

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.
(3) CO - carbon monoxide
NO_x - nitrogen oxides
SO_2 - sulfur dioxide
DEA - diethanolamine
N_2H_4 - solution of up to 35 percent hydrazine in water
NaOH - sodium hydroxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM_{10} - particulate matter (PM) 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.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(4) This source represents 15 furnaces previously represented as 15 emission points: F-P3-1010, F-P3-1020, F-P3-1030, F-P3-1040, F-P3-1050, F-P3-1060, F-P3-1070, F-P3-1080, F-P3-1090, F-P3-1100, F-P3-1110, F-P3-1120, F-P3-1130, F-P3-1140, and F-P3-1180.
(5) This source represents 50 plant analyzer vents previously represented as 6 emission points: LO3AHE, LO3AHH, LO3AHI, LO3AHT, LO3AHU, and LO3AHV.
(6) Fugitive emissions are an estimate only.
(7) CPI - corrugated plate interceptor

* 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 limit is based on a rolling 12-month period.

Dated May 2, 2007