EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

R-914

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
PK-8	Superheater BA-111	VOC	0.28	1.1
		NOx	20.0	70.1
		SO2	0.059	0.24
		PM	0.75	2.63
		CO	3.04	12.09
PK-9	Cracking Heater BA-106	VOC	0.04	0.17
		NOx	17.20	65.94
		SO2	0.11	0.40
		PM	1.03	3.95
		CO	5.80	22.01
PK-10	Cracking Heater BA-107	VOC	0.04	0.17
		NOx	17.20	65.94
		SO2	0.11	0.40
		PM	1.03	3.95
		CO	5.80	22.01
PK-11	Cracking Heater BA-108	VOC	0.04	0.17
		NOx	17.20	65.94
		SO2	0.11	0.40
		PM	1.03	3.95
		CO	5.80	22.01
PK-16	Flare CB-801	VOC	7.72	33.8
		NOx	1.06	4.62
		SO2	49.3	216
		PM	0.003	0.011
		CO	6.22	27.24
PK-18	Dryer Regeneration Heater BA-202	VOC	0.04	0.17
		NOx	3.7	16.1
		SO2	0.008	0.04
		PM	0.11	0.47
		CO	0.50	2.17
PK-19	Converter Regeneration Heater BA-201	VOC	0.024	0.071
		NOx	1.2	3.6
		SO2	0.003	0.009
		PM	0.037	0.107
		CO	0.16	0.47
PK-23	Methanol Tank	VOC	0.012	0.043

PK-24	Analyzers	VOC	0.67	2.92

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
PK-26	Heat Recovery Stack	VOC	0.07	0.25
		NOx	25.8	98.9
		SO2	0.16	.60
		PM	1.55	5.93
		CO	8.70	35.27
PK-27	Heavy Aromatic Distillate Tank	VOC	0.05	0.2
PK-30	Backwash Carbon Bed	VOC	0.14	0.05
PK-33	Biocide Tank	VOC	0.0002	0.001
PK-34	Dispersant Tank	VOC	0.0007	0.003
PK-35	Inhibitor Tank	VOC	0.0005	0.002
PK-36	Coke Separator Stack	PM	0.81	1.6
PK-37	Coagulant Tank	VOC	0.001	0.004
PK-38	Cooling Tower (4)	VOC	2.73	11.96
PK-39	Seal Oil Tank	VOC	0.0002	0.001
PK-41	Lube Oil Tank	VOC	0.016	0.07
PK-43	Wash Oil Tank	VOC	0.11	0.5
PK-45	Anti-Foulant Tank	VOC	0.016	0.07
PK-47	Anti-Foulant Tank	VOC	0.002	0.01
PK-48	Anti-Foam Tank	VOC	0.004	0.016
PK-49	Anti-Foam Tank	VOC	0.0002	0.001
PK-50	Caustic Tank	NaOH	0.022	0.08
PK-51	Anti-Foulant Tank	VOC	0.007	0.03
PK-52	MEA Tank	VOC	0.007	0.03
PKA-8A	Light Aromatic Distillate Tank	VOC	0.34	1.49

PKA-8B	Heavy Aromatic Distillate Tank	VOC	0.32	1.39

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr	TPY
PKA-10B	Barge Loading Incinerator	VOC	0.6	0.1
		NOx	0.45	1.99
		CO	0.08	0.33
PKA-10C	C4's Barge Loading	VOC	0.23	1.0
PKA-12	Railcar Unloading	VOC	0.23	1.0
PKF-F13	Fugitives (4)	VOC	24.0	105.1
PKF-F33	Benzene Recovery Fugitives (4)	VOC	0.24	1.03

(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) VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
PM - particulate matter
CO - carbon monoxide
NaOH - sodium hydroxide
(4) Fugitive and cooling tower emissions are an estimate only and should not be considered as maximum allowable emission rates.

* 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

Revised____