EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20160

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
POFLARE	PO Ground Flare	NO_x	7.47	6.54
		CO	53.9	47.2
		VOC	125.4	42.6
		SO_2	1.41	0.82
STEAMGEN	Steam Generators No. 1 and 2	NO_x	28.6	125.2
		CO	28.6	38.2
		VOC	2.87	10.67
		SO_2	3.17	7.27
		PM_{10}	3.22	14.11
PODUST	Catalyst Prep Dust Filter	PM_{10}	0.003	0.0006
POCATNH3	Catalyst Prep Scrubber	NH_3	0.006	0.001
POTK001	Catalyst Solution Tank	VOC	0.04	0.001
POTK003	Catalyst Solution Tank	VOC	0.04	0.001
POTK007	TBA Day Tank	VOC	0.91	2.08
POTK008	Dry TBA Tank	VOC	1.11	2.55
POTK009	I-Octane Tank	VOC	0.22	0.81
POPERFUG	Peroxidation Unit (4)	VOC	0.65	2.85

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POEPOFUG	Epoxidation Unit (4)	VOC	0.47	2.08
POPURFUG	PO Purification Unit (4)	VOC	0.42	1.86
POMTFUG	MTBE One-Step Unit (4)	VOC	0.37	1.62
POCPFUG	Catalyst Prep Area (4)	VOC	0.15	0.67
POTRAFUG	TBA Removal Area (4)	VOC	0.27	1.20
POCRFUG	Catalyst Recovery (4)	VOC	0.13	0.55
POPRFUG	Propylene Refrigeration Area (4)	VOC	0.10 0.44	
MTBFUG-2	MTBE Synth. Unit (4)	VOC	0.16	0.71
WWSFUG	Wastewater Stripper (4)	VOC	0.07	0.30
POLODFUG	Railcar/Tankwagon Loading (4)	VOC	0.06 0.24	
RSELDSFUG	Barge Loading (4)	VOC	0.23	0.99
TKEFUG	PO/MTBE Tankage (4)	VOC	0.23	1.03
BUTFUG	Butane Bullets (4)	VOC	0.04	0.19
MTBEFUG	MTBE Storage	VOC	0.05	0.20
SGFUG	Steam Generators Area (4)	VOC	0.06	0.25
CTFUG	Cooling Tower (4)	NH_3	0.08	0.33
		VOC	5.80	23.57

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Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
RSELDFLR	Dock Flare	CO	5.11	0.92
		NO_x	0.71	0.12
		SO_2	0.04	<0.01
		VOC	12.40	3.90

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
PODOWSUMP	Wastewater Sump/Pond	NH_3	0.04	0.01
		VOC	2.48	0.74
WWTPFUG	Wastewater Treatment Fugitives (4)	VOC	4.66	20.40
T-O-79	EGME Tank	VOC	0.24	0.05
CRFUG	Catalyst Recycle Fugitives (4)	VOC	0.19	0.83
EGMEFUG	EGME Storage Fugitives (4)	VOC	0.10	0.43
PRCOFUG	Propylene Recovery Column Overhead (4)	VOC	0.09	0.39
PROFUG	Propylene Recovery Overhead (4)	VOC	0.14	0.61

(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) 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 particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide

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

NH_3 - ammonia

(4) Fugitive and cooling tower 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

Dated _____