Emission Sources - Maximum Allowable Emission Rates
Permit Number 22056

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
POLY-H-1	Poly Hot Oil Heater	PM	0.24	1.04
		PM_{10}	0.24	1.04
		$PM_{2.5}$	0.24	1.04
		SO_2	0.02	0.08
		NO_x	4.39	19.21
		CO	2.63	11.52
		VOC	0.17	0.75
POLY-FUG	Poly Fugitives (5)	VOC	4.25	18.60
POLY-CT-6	Poly Cooling Tower 6	VOC	0.16	0.24
		PM	0.03	0.07
		PM_{10}	0.02	0.02
		$PM_{2.5}$	0.01	0.01
POLY-CT-9	Poly Cooling Tower 9	VOC	0.13	0.24
		PM	0.02	0.07
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.01
POLY-CT-12	Poly Cooling Tower 12	PM	0.07	0.21
		PM_{10}	0.05	0.13
		$PM_{2.5}$	0.01	0.01
POLY-FL-1	Poly Flare	NO_x	1.12	3.14
		CO	8.03	22.32

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		VOC	25.53	35.34
		SO_2	0.01	0.02
POLY-FL-1	Poly Flare (Planned MSS)	NO_x	1.59	N/A (6)
		CO	11.50	N/A (6)
		VOC	49.89	N/A (6)
P-22	Tank P-22	VOC	0.27	0.02
P-23	Tank P-23	VOC	0.12	0.02
P-24	Tank P-24	VOC	0.03	0.01
P-55	Tank P-55	VOC	0.01	0.01
SP-P63	Seal Pot P-63, P-65	VOC	3.21	0.25
KO-POT	Seal Pot P-64, P-66, P-67	VOC	2.48	0.16
MSS-POLY	Planned Maintenance Emissions	VOC	0.34	0.01
POLYSAMPLE	Sample Drum Loading	VOC	0.04	0.01
POLY-CTT-1	Cooling Water Tote	VOC	0.05	0.01
POLY-CTT-2	Cooling Water Tote	VOC	0.05	0.01
POLY-CTT-3	Cooling Water Tote	VOC	0.05	0.01
POLY-CTT-4	Cooling Water Tote	NaOCL	0.43	0.01
POLY-CTT-5	Cooling Water Tote	H_2SO_4	0.01	0.01
P-18	Storage Tank	VOC	0.04	0.01
P-19	Storage Tank	VOC	0.10	0.03
P-20	Storage Tank	VOC	0.10	0.07
P-21	Storage Tank	VOC	0.10	0.03
P-22A	Storage Tank	VOC	0.06	0.01
P-23A	Storage Tank	VOC	0.06	0.01
P-24A	Storage Tank	VOC	0.06	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

P-25A	Storage Tank	VOC	0.19	0.01
P-26	Storage Tank	VOC	0.01	0.01
P-44	Storage Tank	VOC	0.03	0.01
P-45	Storage Tank	VOC	0.03	0.01
P-46	Storage Tank	VOC	0.10	0.01
P-59	Storage Tank	VOC	0.01	0.01
P-60	Storage Tank	VOC	0.06	0.03
P-62	Storage Tank	VOC	1.15	0.33
P-68	Storage Tank	VOC	0.16	0.06
P-69	Storage Tank	VOC	0.16	0.06

(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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2SO_4 - sulfuric acid
NaOCL - sodium hydroclorite
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Annual MSS emissions from the flare shall not exceed the annual emission rates listed for EPN POLY-FL-1.

Date: April 8, 2016