Emission Sources - Maximum Allowable Emission Rates

Permit Number 49023

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)
E09A032	Site Flare (6)	VOC	16.81	-
		NO	2.42	-
		CO	12.38	-
		Acetone	1.16	-
E10C060	Syn Gas Flare (6)	VOC	18.25	-
		NO	3.23	-
		CO	16.50	-
		Acetone	1.16	-
E09A032 E10C060	Flare Cap	VOC	-	18.68
		NO	-	8.84
		CO	-	45.50
		Acetone	-	0.44
F10B017	Tank 2933	VOC	3.78	1.30
F10B001	RAH Process Fugitives (5)	VOC	2.25	9.85
F12B001-01	Building 24 Esters Process Fugitives (5)	VOC	1.43	6.28

(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
CO - carbon monoxide
(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) The Site Flare (EPN E09A032) receives inlet streams from facilities authorized under NSR Permit Nos. 436, 2466, 2467, 9085, 48988, and 49023. The Syn Gas Flare (EPN E10C060) receives inlet streams from facilities authorized under NSR Permit Nos. 2466, 2467, 9085, and 49023. The above listed emission rates for EPN E09A032 and EPN E10C060 represent contributions only from facilities authorized under NSR Permit No. 49023.

Date: April 12, 2019