

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 (5)	VOC	16.45	-
		NOx	2.05	-
		CO	10.46	-
		Acetone	1.16	-
E10C060	Syn Gas Flare (5)	VOC	17.89	-
		NOx	2.58	-
		CO	13.15	-
		Acetone	1.16	-
E09A032 E10C060	Flare Cap	VOC	-	17.89
		NOx	-	8.73
		CO	-	44.49
		Acetone	-	0.44
E10B017	Tank 2933	VOC	3.78	1.30
F10B001	RAH Process Fugitives	VOC (6)	3.52	15.40
F12B001-01	Building24 Esters Process Fugitives	VOC (6)	0.52	2.30

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Interim Limits The following emissions are authorized through December 31, 2016. As of January 1, 2017 all emissions from the following EPNs shall be routed to the Site Flare (EPN E09A032) or the Syn Gas Flare (E10C060).				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
E10B009	Tank 2882	VOC	13.59	0.42
E10B013	Tank 2886	VOC	31.19	5.97
E10B015	Tank 2922	VOC	5.67	1.05
E10B016	Tank 2923	VOC	5.67	1.05
E10B018	Tank 2934	VOC	5.67	1.05
E10B023	Tank 2913	VOC	9.18	0.07
E10B024	Tank 2914	VOC Acetone	11.82 0.17	3.59 0.09
E10B025	Tank 2921	VOC	3.15	0.27
E10B042	Tank 2911	VOC	3.15	1.55
E10B102	Tank 2881	VOC	13.59	0.42
E10E002	Tank 2850 A/B	VOC	0.20	0.01
E10F002	Tank 2940	VOC	3.15	0.18
E10G003	Tank 2860	VOC	2.39	0.07
E12B0427T	Tank 427T	VOC	14.18	0.33

- (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) 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.

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- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: August 25, 2015