

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19720

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)
A16FU4	A-3A Dock Fugitives (5)	HCl	<0.01	0.01
A22FU1	A-22 Dock, PSA, and Flare Fugitives (5)	VOC (6)	0.18	0.80
		Chloroform	0.06	0.27
		HCl	<0.01	<0.01
		Acetone	0.02	0.10
		Methylene chloride	0.21	0.92
		Perchloroethylene	0.07	0.30
A22CB1CB2	Pressure Swing Adsorption System for Dock A-22 (A22-1 and A22-2)	VOC (6)	2.06	0.17
		Chloroform	0.43	0.13
		1,1,2 Trichloroethane	0.01	0.01
		Methylene chloride	0.61	0.13
		Perchloroethylene	0.01	0.01
A22FLAR1	A-22 Dock Flare	VOC	0.24	0.61
		Acetone	11.50	1.98
		NO _x	3.25	7.13
		SO ₂	0.31	0.79
		CO	27.91	61.16
A22ML22	A-22 Ship Loading Losses	Total VOC	0.47	0.01
		Perchloroethylene (7)	23.05	1.87
A22BL22	A-22 Barge Loading Losses	Total VOC	0.87	0.01
		Perchloroethylene (7)	57.63	2.88

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
A22ST4044	Tank T-4044	VOC	9.64	-
A30ST4005	Tank T-4005	VOC	9.64	-
	Terminal Operations (8)	VOC	-	2.33
A28LR3	Compartmented Tank Truck Loading	Perchloroethylene	5.57	0.25
		VOC	0.03	0.05
A22FUST	Process Fugitives (5)	VOC	0.09	0.39
	Filter Changes and Open Lines Startup, shutdown, and Maintenance Operation Only	Acetone	0.04	0.03
		Perchloroethylene	0.29	0.04
		VOC	0.77	0.08
A28FUST	Process Fugitives (5)	Acetone	0.01	0.01
		Perchloroethylene	0.01	0.01
		VOC	0.02	0.04
A30FU02	Process Fugitives (5)	VOC	0.02	0.07
A32FU1	Fugitive Emissions (5)	Perchloroethylene	0.01	0.03
A32FU7	Perchlor Pipeline (5)	Perchloroethylene	0.04	0.19
A-22 Loading and Tank Farm Area: PSV Removals, Tank OSI, Vacuum Trucks, Filter Changes (Planned MSS)				
A22CB1CB2	Pressure Swing Adsorption System PSA A22-1 and A22-2	VOC	0.03	0.01
A22FUST	Uncontrolled MSS Emissions	VOC	2.32	0.27
A30ME4003	Uncontrolled Tank V4003 MSS Emissions	VOC	0.37	0.26

- (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
 - SO₂
 - sulfur dioxide
 - CO
 - carbon monoxide
 - HCl
 - hydrochloric acid
- (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) These VOC emission rates do not include chloroform or 1,1,2 trichloroethane emissions.

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- (7) The permit holder shall not load perchloroethylene at A22ML22 (uncontrolled ship loading) and A22BL22 (uncontrolled barge loading) simultaneously.
- (8) Terminal Operations represents the combined annual emissions from all storage tanks listed on the MAERT, but does not include process fugitive and loading loss emissions.

Date: February 28, 2019