

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3791

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)
E12F017	Tank 1502	VOC	0.42	1.04
E12F018	Tank 1503	VOC	0.42	1.05
E12D003	Tank 1701	H ₂ SO ₄	0.01	0.01
		SO ₃	0.01	0.01
E12D004	Tank 1702	H ₂ SO ₄	0.01	0.01
		SO ₃	0.01	0.01
E12D005	Tank 1703	H ₂ SO ₄	0.01	0.01
		SO ₃	0.01	0.01
E09A032	TCO Site Flare	VOC (6)	79.92	80.47
		Propylene	14.67	4.95
		NO _x	6.47	4.19
		CO	46.71	30.26
		Acetone	8.20	2.40
		SO ₂	0.01	0.01
E09A032	TCO Site Flare Start-up, Shutdown, and Maintenance Emissions (7)	VOC (6)	105.38	49.91
		Propylene	22.10	5.30
		NO _x	8.77	3.67
		CO	63.38	26.53
		Acetone	1.62	0.24
		SO ₂	0.01	0.01

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E09A032	TCO Site Flare Maintenance, Startup, and Shutdown Emissions (8)	VOC (6)	318.64	0.96
		Propylene	88.50	0.21
		NO _x	21.67	0.06
		CO	111.62	0.32
		Acetone	42.14	0.18
E14A014	Building 16 Process Water Tank	VOC	0.01	0.01
E12F1041	Tank 1041	VOC	0.01	0.01
F12D001	Fugitives (5)	VOC (6)	7.81	34.23
		Propylene	0.26	1.13
		Acetone	0.32	1.38
E01A021	Tank 9004A	VOC	0.18	0.49
E12D010	Loading Rack	VOC	0.01	0.01
IPA MSS	IPA MSS Emissions	VOC	70.61	0.21
		Propylene	28.97	0.09
		Acetone	13.69	0.04
E01A032	Loading Fugitives	VOC	0.21	0.01

- (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
SO₃ - sulfur trioxide
H₂SO₄ - sulfuric acid
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) VOC includes propylene.
- (7) Start-up, Shutdown, and Maintenance Emissions authorized by Special Condition 3 in June 2006.
- (8) Maintenance, Startup, and Shutdown Emissions authorized by Special Condition 10 in August 2011.

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Date: _____