

Emission Sources - Maximum Allowable Emission Rates

Permit Number 115629

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)
CAS-1	T-601-through T-606	VOC	0.25	0.13
		Acetone	0.09	0.05
CAS-2	T-702	VOC	0.67	0.06
		Acetone	0.26	0.02
CAS-3	T-703	VOC	0.67	0.06
		Acetone	0.26	0.02
CAS-4	T-701, T-704, T-705, 1-706	VOC	0.67	0.23
		Acetone	0.26	0.09
CAS-7	T-707	VOC	0.67	0.06
		Acetone	0.26	0.02
CAS-8	T-708	VOC	0.67	0.06
		Acetone	0.26	0.02
CAS-9	T-709	VOC	0.67	0.06
		Acetone	0.26	0.02
CAS-10	T-901	VOC	0.67	0.11
		Acetone	0.26	0.04
CAS-11	T-902	VOC	0.67	0.11
		Acetone	0.26	0.04
CAS-12	TRK LOAD-8	VOC	0.09	0.08
		Acetone	0.04	0.02
	T-801 – Uncontrolled Degassing (routed through CAS stack only)	VOC	0.99	<0.01
CAS-13	TRK LOAD-9	VOC	0.09	0.08
		Acetone	0.04	0.02
CAS-13	T-802 - Uncontrolled Degassing	VOC	0.99	<0.01

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	(routed through CAS stack only)			
CAS-14	Barge Loading for IFR Tanks	VOC	0.67	0.75
		Acetone	0.26	0.38
T-801	Tank T-801	VOC	2.87	3.58
		Acetone	1.00	1.00
T-802	Tank T-802	VOC	2.87	3.58
		Acetone	1.00	1.00
TRK LOAD-1	Truck Loading Spot No. 1	VOC	1.00	0.89
		Acetone	1.27	0.96
TRK LOAD-2	Truck Loading Spot No. 2	VOC	1.00	0.89
		Acetone	1.27	0.96
TRK LOAD-3	Truck Loading Spot No. 3	VOC	1.00	0.40
		Acetone	1.27	0.42
TRK LOAD-4	Truck Loading Spot No. 4	VOC	1.00	0.40
		Acetone	1.27	0.42
TRK LOAD-5	Truck Loading Spot No. 5	VOC	1.00	0.40
		Acetone	1.27	0.42
TRK LOAD-6	Truck Loading Spot No. 6	VOC	1.00	1.58
		Acetone	1.27	1.70
TRK LOAD-7	Truck Loading Spot No. 7	VOC	1.00	2.38
		Acetone	1.27	2.55
TRK LOAD-8	Truck Loading Spot No. 8	VOC	0.50	0.76
		Acetone	0.76	0.28
TRK LOAD-9	Truck Loading Spot No. 9	VOC	0.50	0.76
		Acetone	0.76	0.28
TRK LOAD-10	Truck Loading Spot No. 10	VOC	0.59	0.74
		Acetone	1.27	0.80
TRK LOAD-11	Truck Loading Spot No. 11	VOC	0.59	0.74

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		Acetone	1.27	0.80
BARGE DOCK	Barge Dock	VOC	0.27	0.51
FUG 600	Fugitives — Series 600 Tanks (5)	VOC	0.03	0.12
		Acetone	0.03	0.12
FUG 700-900	Fugitives — Series 700-900 Tanks (5)	VOC	0.13	0.58
		Acetone	0.13	0.58
FUG DOCK	Fugitive — Barge Dock (5)	VOC	<0.01	0.02
		Acetone	<0.01	0.02
BOILER	Boiler	NOx	0.12	0.53
		CO	0.29	1.26
		VOC	0.02	0.08
		PM	0.03	0.11
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.03	0.11
		SO ₂	0.05	0.22
T-801 MSS	T-801 Landing Loss - Standing	VOC	4.53	0.32
		Acetone	0.93	<0.01
T-801 MSS	T-801 Landing Loss - Uncontrolled Filling	VOC	0.29	<0.01
T-802 MSS	T-802 Landing Loss — Standing	VOC	4.53	0.32
		Acetone	0.93	<0.01
T-802 MSS	T-802 Landing Loss - Uncontrolled Filling	VOC	0.29	<0.01
CD-MSS	T-801 Landing Loss - Controlled Filling (controlled by flare, VCU or Thermal Oxidizer)	VOC	2.03	<0.01
		Acetone	0.81	<0.01
CD-MSS		NOx	0.37	<0.01
		CO	0.75	<0.01
		PM	0.02	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
		SO ₂	0.04	<0.01

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	T-801 IFR Tank Degassing (controlled by flare, VCU or Thermal Oxidizer)	VOC	7.65	0.02
		Acetone	2.86	<0.01
		NO _x	3.52	0.01
		CO	7.03	0.02
		PM	0.19	<0.01
		PM ₁₀	0.19	<0.01
		PM _{2.5}	0.19	<0.01
		SO ₂	0.38	<0.01
	T-802 Landing Loss - Controlled Filling (controlled by flare, VCU or Thermal Oxidizer)	VOC	2.03	<0.01
		Acetone	0.81	<0.01
		NO _x	0.37	<0.01
		CO	0.75	<0.01
		PM	0.02	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
		SO ₂	0.04	<0.01
	T-802 IFR Tank Degassing (controlled by flare, VCU or Thermal Oxidizer))	VOC	7.65	0.02
		Acetone	2.86	<0.01
		NO _x	3.52	0.01
		CO	7.03	0.02
		PM	0.19	<0.01
		PM ₁₀	0.19	<0.01
		PM _{2.5}	0.19	<0.01
		SO ₂	0.38	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAPS		<10.00
		Total HAPS		<25.00

(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

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- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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

(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.

Date: December 22, 2016