

-.Emission Sources - Maximum Allowable Emission Rates

Permit Number 46528

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)
T-720	EFR Tank 720	VOC	5.64	-
T-741	VFR Tank 741	VOC	54.30	-
T-743	DERF Tank 743	VOC	1.24	-
T-744	DERF Tank 744	VOC	1.75	-
T-745	DERF Tank 745	VOC	1.47	-
T-746	VFR Tank 746	VOC	54.30	-
T-747	DERF Tank 747	VOC	1.23	-
T-748	DERF Tank 748	VOC	1.64	-
T-749	DERF Tank 749	VOC	1.64	-
T-750	DERF Tank 750	VOC	1.43	-
T-751	DERF Tank 751	VOC	1.42	-
T-752	VFR Tank 752	VOC	45.25	-
T-753	VFR Tank 753	VOC	45.25	-
T-755	DERF Tank 755	VOC	1.42	-
T-756	VFR Tank 756	VOC	45.25	-
T-757	VFR Tank 757	VOC	45.25	-
T-758	IFR Tank 758	VOC	2.85	-
T-762	IFR Tank 762	VOC	1.68	-
T-771	DERF Tank 771	VOC	2.03	-
All Tanks	Routine Operations Tank Cap	VOC	-	70.55
Hourly Landing Cap	Hourly Landing Cap (6)	VOC	720.29	-
MSS Cap	Annual Landing Cap (7)	VOC	-	19.25

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Fugitive Emissions	Fugitive Emissions (5)	VOC	0.09	0.42
VCU-01	VCU Pilot Emissions	VOC	<0.01	<0.01
		NO _x	0.03	0.03
		CO	0.09	0.12
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		SO ₂	<0.01	<0.01
VCU-01LAND	Cap for Controlled Roof Landings (8)	VOC	11.30	1.66
		NO _x	3.55	3.62
		CO	12.24	12.48
		PM	0.18	0.19
		PM ₁₀	0.18	0.19
		PM _{2.5}	0.18	0.19
		SO ₂	0.01	0.01
DEGAS-01	Controlled Standing Idle Emissions	VOC (9)	-	-
		NO _x	9.09	0.03
		CO	18.14	0.06
ATM-DEGAS	Tank De-gassing	VOC	59.59	-
No. 7 Sump	Tank T7	VOC	7.94	0.18
No. 14 Sump	Tank T14	VOC	14.94	0.25
No. 16 Sump	Tank T16	VOC	2.18	0.05
No. 20 Sump	Tank T20	VOC	14.94	0.25
Diesel 1	Tank Diesel 1	VOC	0.01	0.01
Diesel 2	Tank Diesel 2	VOC	0.01	0.01
CE1	Compressor Engine 1	PM	0.18	0.13
		PM ₁₀	0.18	0.13
		VOC	0.05	0.04
		NO _x	1.76	1.32

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		CO	0.55	0.41
		SO ₂	0.16	0.12

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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.
- (6) This cap includes the roof landing emissions from the following tanks; T-720, T-743, T-744, T-747, T-748, T-758, T-762, and T-771.
- (7) This cap includes the roof landing emissions from the following tanks; T-720, T-743, T-744, T-745, T-747, T-748, T-749, T-750, T-751, T-755, T-758, T-762, and T-771. This cap also includes degassing emissions from the following tanks; T-720, T-743, T-744, T-745, T-747, T-748, T-749, T-750, T-751, T-755, T-758, T-762, and T-771.
- (8) This cap includes controlled roof landing emissions from the following sources; T-745, T-749, T-750, T-751, and T-755.
- (9) VOC emissions from degassing activities are included within the hourly and annual landing caps; EPNs Hourly Landing Cap and MSS Cap.

Date: March 11, 2016