

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 5146 and N056

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)
TNKTL00001	Tank 0001	VOC (5)	17.0	
		Benzene	0.08	
TNKTL00002	Tank 0002	VOC (5)	17.0	
		Benzene	0.08	
TNKTL00003	Tank 0003	VOC (5)	17.0	
		Benzene	0.08	
TNKTL00004	Tank 0004	VOC (5)	17.0	
		Benzene	0.08	
TNKTL00005	Tank 0004	VOC (5)	23.7	
		Benzene	0.11	
TNKTL00006	Tank 0006	VOC (5)	17.0	
		Benzene	0.08	
TNKTL00007	Tank 0007	VOC (5)	17.0	
		Benzene	0.08	
TNKTL00008 (9)	Tank 0008	VOC	5.32	2.71
		Benzene	0.04	0.02
		H ₂ S	<0.01	<0.01
ATM-Degas/VCU Connect	Tank Degassing/VCU Connection	VOC (5)	681.82	---
Hourly Cap - Tank Roof Landing Operations Only				
Tanks 0001-0007	Tanks 0001-0007	VOC	263.73	---
		Benzene	2.64	---
Annual Cap - Tank Operations				
Routine Operations				
Tanks 0001-0007	Tanks 0001-0007	VOC	---	53.86

Emission Sources - Maximum Allowable Emission Rates

		Benzene	---	0.54
<u>Roof Landing Operations</u>				
Tanks 0001-0007	Tanks 0001-0007	VOC	---	37.03
		Benzene	---	0.37
SUMP-1	SUMP-1	VOC	0.01	0.16
		Benzene	0.01	0.01
SUMP-2	SUMP-2	VOC	0.01	0.16
		Benzene	0.01	0.01
SUMP-3	SUMP-3	VOC	0.01	0.16
		Benzene	0.01	0.01
F-20-332-1	Fugitives	VOC (6)	0.04	0.16
		Benzene	0.01	0.01
FUG (9)	Fugitives	VOC	0.02	0.11
		Benzene	<0.01	<0.01
PVCU	Portable Vapor Combustor (8)	CO	15.35	2.85
		NO _x	7.69	1.43
		SO ₂	0.01	0.01
		VOC	39.63	4.94

Emission Sources - Maximum Allowable Emission Rates

VCU-01	Controlled Roof Landings	CO	91.69	31.22
		NO _x	45.93	15.64
		VOC (7)	---	---
		Benzene (7)	---	---
		SO ₂	28.37	17.33
		PM	1.98	1.98
		PM ₁₀	1.98	1.98
		PM _{2.5}	1.98	1.98
	Controlled Roof Landings for Storage Tank No. 0008 (9)	VOC	2.63	1.97
		Benzene	0.02	0.02
		NO _x	0.38	0.40
		CO	0.51	0.54
		H ₂ S	0.01	0.01
		SO ₂	0.55	0.40
		PM	0.25	0.26
		PM ₁₀	0.25	0.26
		PM _{2.5}	0.25	0.26

Emission Sources - Maximum Allowable Emission Rates

- (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
- 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
- H₂S - hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Includes benzene emissions; annual VOC emissions included in annual 'Tanks 0001-0007' cap.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (7) VOC emissions included in respective hourly and annual 'Tanks 0001-0007' caps.
- (8) Emissions represent post control of collected VOC emissions generated during an authorized planned floating tank landing, degassing and roof refloating storage tank activity.
- (9) Emissions are represented for the authorization of Storage Tank No. 008 and associated routine and MSS emissions.

Date: May 6, 2014