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 (5)	VOC	5.81	–
		H_2S	0.13	–
TNKTL00003	Tank 0003 (5)	VOC	6.16	–
		H_2S	0.13	–
TNKTL00004	Tank 0004 (5)	VOC	6.16	–
		H_2S	0.13	–
TNKTL00005	Tank 0005 (5)	VOC	8.16	–
		H_2S	0.18	–
TNKTL00006	Tank 0006 (5)	VOC	6.23	–
		H_2S	0.14	–
TNKTL00007	Tank 0007 (5)	VOC	6.23	–
		H_2S	0.14	–
Tanks 0001 through 0007 CAP	Tanks 0001 through 0007 Annual Cap (5)(6)	VOC	–	51.49
		H_2S	–	0.11
TNKTL00002	Tank 0002 (6)	VOC	5.32	2.71
		H_2S	0.12	0.11
SUMP-1	SUMP-1	VOC	6.55	0.07
		H_2S	0.14	0.01
SUMP-2	SUMP-2	VOC	6.55	0.07
		H_2S	0.14	0.01
SUMP-3	SUMP-3	VOC	6.55	0.07
		H_2S	0.14	0.01
F-20-332-1	Fugitives (7)	VOC	0.06	0.26
		H_2S	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

VCU-01	Controlled MSS Tank Roof Landings, Tank Degassing, Tank Refilling, and control of Air Mover, Vacuum Mover, and Frac Tanks (8)(9)	VOC	166.41	–
		NO_x	45.93	–
		CO	91.69	–
		H_2S	1.21	–
		SO_2	113.48	–
		PM	12.78	–
		PM_{10}	12.78	–
		$PM_{2.5}$	12.78	–
PVCU	Controlled MSS Tank Roof Landings, Tank Degassing, Tank Refilling, and control of Air Mover, Vacuum Mover, and Frac Tanks (8)(9)	VOC	27.85	–
		NO_x	7.69	–
		CO	15.33	–
		H_2S	0.29	–
		SO_2	27.00	–
		PM	2.14	–
		PM_{10}	2.14	–
		$PM_{2.5}$	2.14	–
VCU-01 & PVCU	Annual CAPs Controlled MSS Tank Roof Landings, Tank Degassing, Tank Refilling, and control of Air Mover, Vacuum Mover, and Frac Tanks (8)(9)	VOC	–	37.03
		NO_x	–	9.45
		CO	–	18.88
		H_2S	–	0.17
		SO_2	–	17.33
		PM	–	2.63
		PM_{10}	–	2.63
		$PM_{2.5}$	–	2.63

Emission Sources - Maximum Allowable Emission Rates

ALT-CTRL	Alternate Control of Air Mover, Vacuum Mover, and Frac Tanks using a CAS or Scrubber (9)	VOC	0.47	0.09
		H_2S	0.01	0.01
ATM-DEGAS	MSS Tank Roof Landings Standing Idle and Venting to Atmosphere (9)	VOC	681.82	37.03
		H_2S	0.60	0.09
PVCU	Combined Annual Cap EPNs VCU-01, PVCU, ALT-CTRL, & ATM-DEGAS (9)	VOC		37.03
MSS-ATM	Uncontrolled non-tank MSS Emissions	VOC	23.71	0.53
		H_2S	0.13	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
SO$_2$ - sulfur dioxide
CO - carbon monoxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Annual VOC emissions included in annual 'Tanks 0001-0007' cap.
(6) Total annual H_2S emissions from all tanks shall not exceed 0.11 tpy.
(7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(8) VCU-01 & PVCU may operate simultaneously provided individual hourly and Annual CAP emissions for each pollutant are not exceeded.
(9) Combined annual VOC emissions from EPNs VCU-01, PVCU, ALT-CTRL, and ATM-DEGASS shall not exceed 37.03 tpy.

Date: October 21, 2016