

Emission Sources - Maximum Allowable Emission Rates

Permit Number 103976 and PSDTX1406

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)
TK-100-101	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-102	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-103	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-104	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-105	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-106	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-107	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-108	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
TK-100-109	Crude Oil/ Condensate Storage Tank	VOC	5.76	6.38
		H2S	0.02	0.01
DOCK-1	Ship Loading Dock No. 1	VOC	168.6	(6)
		H2S	0.05	(6)
DOCK-15	Ship Loading Dock No. 15	VOC	168.6	(6)
		H2S	0.05	(6)

Emission Sources - Maximum Allowable Emission Rates

DOCK-CAP	DOCK-1 and DOCK-10 Annual Emissions Cap	VOC	-	351.08
		H2S	-	0.1
VCU-1	Vapor Combustion Unit No. 1- 30,000 BPH	VOC	32.03	(7)
		CO	12.48	(7)
		SO2	0.24	(7)
		NOx	9.36	(7)
		PM	0.001	(7)
		PM10	0.001	(7)
		PM2.5	0.001	(7)
		H2S	0.05	(7)
VCU-2	Vapor Combustion Unit No. 2- 30,000 BPH	VOC	32.03	(7)
		CO	12.48	(7)
		SO2	0.24	(7)
		NOx	9.36	(7)
		PM	0.001	(7)
		PM10	0.001	(7)
		PM2.5	0.001	(7)
		H2S	0.05	(7)
VCU-3	Vapor Combustion Unit No. 3- 5,000 BPH	VOC	14.05	(7)
		CO	5.48	(7)
		SO2	9.36	(7)
		NOx	9.36	(7)
		PM	0.001	(7)
		PM10	0.001	(7)
		PM2.5	0.001	(7)
		H2S	0.002	(7)

Emission Sources - Maximum Allowable Emission Rates

VCU-4	Vapor Combustion Unit No. 4- 30,000 BPH	VOC	32.03	(7)
		CO	12.48	(7)
		SO2	0.24	(7)
		NOx	9.36	(7)
		PM	0.001	(7)
		PM10	0.001	(7)
		PM2.5	0.001	(7)
		H2S	0.05	(7)
VCU-CAP	VCU-1, VCU-2, and VCU-3 Annual Emissions Cap	VOC	-	95.56
		CO	-	29.13
		SO2	-	0.56
		NOx	-	21.85
		PM	-	0.002
		PM10	-	0.002
		PM2.5	-	0.002
		H2S	-	0.12
FUG-01 (5)	Fugitive Emissions-Tank Area	VOC	0.02	0.09
FUG-02 (5)	Fugitive Emissions-Dock 1 and 2, and VCU-1 Safety Skids	VOC	0.04	0.2
FUG-03 (5)	Dock 15 Safety Skid	VOC	0.03	0.12
MSS-CAS (8)	Maintenance, Startup and Shutdown-Temporary CAS	VOC	61.5	0.8

Emission Sources - Maximum Allowable Emission Rates

MSS-VCU (8)	Maintenance, Startup and Shutdown-Temporary VCU	VOC	61.50	0.80
		SO ₂	0.01	0.01
		NO _x	9.94	5.01
		CO	19.84	10.00
		PM	0.001	0.001
		PM ₁₀	0.001	0.001
		PM _{2.5}	0.001	0.001

- (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
- H₂S - hydrogen sulfide
- (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) Combined annual emissions from EPN's DOCK-1 and DOCK-15 are limited to the annual emission rates for EPN DOCK-CAP.
- (7) Combined annual emissions from EPN's VCU-1, VCU-2, and VCU-3 are limited to the annual emission rates for EPN VCU-CAP.
- (8) MSS-CAS and MSS-VCU shall not operate simultaneously.

Date: October 21, 2016