Emission Sources - Maximum Allowable Emission Rates

Permit Number 143974

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)
ENG-1	Compressor Engine 1642 hp	NO_x	1.81	7.93
		CO	7.24	31.71
		VOC	2.60	11.38
		PM	0.26	1.12
		PM_{10}	0.26	1.12
		$PM_{2.5}$	0.26	1.12
		SO_2	0.01	0.03
		HAPs	0.18	0.80
ENG-2	Compressor Engine 203 hp	NO_x	0.45	1.96
		CO	0.90	3.92
		VOC	0.34	1.49
		PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.03	0.14
		SO_2	<0.01	<0.01
		HAPs	0.03	0.18
ENG-2	Compressor Engine 690 hp	NO_x	0.76	3.33
		CO	4.56	19.99
		VOC	1.79	7.82
		PM	0.05	0.22
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.05	0.22
		SO_2	<0.01	0.01
		HAPs	0.34	1.49
ENG-2	Compressor Engine	NO_x	1.52	6.66

Emission Sources - Maximum Allowable Emission Rates

		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM_{10}	0.24	1.03
		$PM_{2.5}$	0.24	1.03
		SO_2	0.01	0.03
		HAPs	0.25	1.11
ENG-3	Compressor Engine 1380 hp	NO_x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM_{10}	0.24	1.03
		$PM_{2.5}$	0.24	1.03
		SO_2	0.01	0.03
		HAPs	0.25	1.11
ENG-4	Compressor Engine 1380 hp	NO_x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM_{10}	0.24	1.03
		$PM_{2.5}$	0.24	1.03
		SO_2	0.01	0.03
		HAPs	0.25	1.11
ENG-5	Compressor Engine 1380 hp	NO_x	1.52	6.66
		CO	1.52	6.66
		VOC	0.85	3.74
		PM	0.24	1.03
		PM_{10}	0.24	1.03
		$PM_{2.5}$	0.24	1.03

Emission Sources - Maximum Allowable Emission Rates

		SO_2	0.01	0.03
		HAPs	0.25	1.11
HTR-1	Glycol Reboiler	NO_x	0.15	0.64
		CO	0.12	0.54
		VOC	<0.01	0.04
		PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		SO_2	<0.01	<0.01
		HAPs	<0.01	0.01
HTR-2	Fuel Gas Separator Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01
		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
HTR-3	Fuel Gas Separator Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01
		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
HTR-4	Fuel Gas Separator Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
HTR-5	Fuel Gas Separator Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01
		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
HTR-6	Fuel Gas Separator Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01
		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
HTR-7	Heater Treater Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01
		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

HTR-8	Separator Heater	NO_x	0.05	0.21
		CO	0.04	0.18
		VOC	<0.01	0.01
		PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		SO_2	<0.01	<0.01
		HAPs	<0.01	<0.01
Flare-1	Flare – Pilot Stream	NO_x	0.45	1.45
		CO	0.89	2.90
		VOC	0.11	0.50
		SO_2	<0.01	<0.01
		HAPs	<0.01	0.01
	Flare – TEG Dehy	NO_x	0.08	0.35
		CO	0.16	0.71
		VOC	0.63	2.78
		HAPs	0.26	1.15
	Flare – Oil Tanks	NO_x	0.35	1.04
		CO	0.70	2.08
		VOC	1.92	5.37
		HAPs	0.05	0.08
TK-PW 1	Produced Water Tank No. 1	VOC	0.96	2.69
		HAPs	0.03	0.04
TK-PW 2	Produced Water Tank No. 2	VOC	<0.01	0.02
		HAPs	<0.01	<0.01
L-1	Oil Loadout	VOC	35.45	4.02
		HAPs	0.45	0.05
FUG-1	Fugitives (5)	VOC	1.29	5.64
		HAPs	0.03	0.15

Emission Sources - Maximum Allowable Emission Rates

FUG-2	Fugitives (5)	VOC	0.37	1.63
		HAPs	0.02	0.07
MSS-BD	MSS – Compressor Blowdown	VOC	132.55	1.99
		HAPs	3.25	0.05
MSS-TD	MSS – Tank Degassing	VOC	62.69	0.63
		HAPs	0.80	<0.01
MSS-Misc	MSS – Miscellaneous	VOC	10.72	0.21
		HAPs	0.14	<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) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$,
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
SO_2 - sulfur dioxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(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: November 26, 2018