Emission Sources - Maximum Allowable Emission Rates

Permit Number 95754

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)
P100-001	Tank P100-001	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-002	Tank P100-002	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-003	Tank P100-003	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-004	Tank P100-004	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-005	Tank P100-005	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-006	Tank P100-006	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-007	Tank P100-007	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-008	Tank P100-008	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-009	Tank P100-009	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P100-010	Tank P100-010	VOC	7.60	1.37
		H_2S	0.01	< 0.01
P12-001	Tank P12-001	VOC	4.98	0.99
		H_2S	0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

P12-002	Tank P12-002	VOC	4.09	0.95
		H_2S	0.01	< 0.01
P12-003	Tank P12-003	VOC	4.09	0.95
		H_2S	0.01	< 0.01
P80-001	Tank P80-001	VOC	1.99	1.22
		H_2S	< 0.01	< 0.01
TANKCAP-A	Tank Cap (Group A Tanks) (6)	VOC	—	8.92
		H_2S	—	0.02
FUG-A	Piping Fugitive Components (Group A Facilities) (5) (6)	VOC	0.41	1.81
		H_2S	< 0.01	< 0.01
DOCK-1	Uncollected Marine Vessel Loading Dock No. 1	VOC	86.51	—
		H_2S	0.15	—
DOCK-2	Uncollected Marine Vessel Loading Dock No. 2	VOC	86.51	—
		H_2S	0.15	—
DOCK-3	Uncollected Marine Vessel Loading Dock No. 3	VOC	86.51	—
		H_2S	0.15	—
DOCK-4	Uncollected Marine Vessel Loading Dock No. 4	VOC	86.51	—
		H_2S	0.15	—
RACK-1	Uncollected Truck and Railcar Loading Rack No. 1	VOC	66.92	—
		H_2S	0.12	—
RACK-3	Uncollected Truck and Railcar Loading Rack No. 3	VOC	66.92	—
		H_2S	0.12	—
RACK-5	Uncollected Truck and Railcar Loading Rack No. 5	VOC	66.92	—
		H_2S	0.12	—
LOADFUG-A	Uncontrolled Loading Annual Emissions Cap (Liquid Transfers from Group A Tanks) (6)	VOC	—	5.68
		H_2S	—	0.01
TK-LAND-A	Uncontrolled Routine Tank Roof Landings (Group A Tanks) (6)	VOC	28.60	1.12
		H_2S	0.05	< 0.01
VC-001	Controlled Loading,	VOC	4.15	—

Emission Sources - Maximum Allowable Emission Rates

		NOx	9.36	—
		CO	31.20	—
		H_2S	0.15	—
		SO_2	14.74	—
		PM	1.16	—
		PM_{10}	1.16	—
		$PM_{2.5}$	1.16	—
VC-002	Controlled Loading, Hose Venting, Wastewater System, & Routine Roof Landings VC-002	VOC	4.15	—
		NOx	9.36	—
		CO	31.20	—
		H_2S	0.15	—
		SO_2	14.74	—
		PM	1.16	—
		PM_{10}	1.16	—
		$PM_{2.5}$	1.16	—
VC-003	Controlled Loading, Hose Venting, Wastewater System, & Routine Roof Landings VC-003	VOC	4.15	—
		NOx	9.36	—
		CO	31.20	—
		H_2S	0.15	—
		SO_2	14.74	—
		PM	1.16	—
		PM_{10}	1.16	—
		$PM_{2.5}$	1.16	—
FL-001	Flare FL-001 (Pilot, sweep gas, backup loading emissions only)	VOC	108.15	—
		NOx	20.88	—
		CO	41.69	—
		H_2S	0.27	—
		SO_2	25.33	—

Emission Sources - Maximum Allowable Emission Rates

(VC-001, VC-002, VC-003, & FL-001)	Controlled Loading, Hose Venting, Wastewater System, & Routine Roof Landing Annual Emissions Cap (6)	VOC-A	—	1.44
		VOC-B	--	2.49
		NOx	—	15.92
		CO	—	53.04
		H_2S	—	0.14
		SO_2	—	9.76
		PM	—	1.98
		PM_{10}	—	1.98
		$PM_{2.5}$	—	1.98
HOSEDRAIN-A	Drain Hose to Sump	VOC	1.50	0.58
		H_2S	<0.01	< 0.01
HOSEVENT-A	Hose Depressurizing and Venting to Atmosphere	VOC	17.52	2.96
		H_2S	0.03	0.01
HOSEDRAIN-B	Drain Hose to Sump	VOC	1.50	0.56
		H_2S	<0.01	< 0.01
HOSEVENT-B	Hose Depressurizing and Venting to Atmosphere	VOC	17.52	2.08
		H_2S	0.03	< 0.01
EFWP-1	Emergency Fire Water Pump No. 1	VOC	0.10	0.01
		NOx	2.64	0.13
		CO	0.51	0.03
		SO_2	0.01	< 0.01
		PM	0.09	< 0.01
		PM_{10}	0.09	< 0.01
		$PM_{2.5}$	0.09	< 0.01
EFWP-2	Emergency Fire Water Pump No. 2	VOC	0.10	0.01
		NOx	2.64	0.13
		CO	0.51	0.03
		SO_2	0.01	< 0.01
		PM	0.09	< 0.01

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.09	< 0.01
		$PM_{2.5}$	0.09	< 0.01
EFWP-3	Emergency Fire Water Pump No. 3	VOC	0.23	0.01
		NOx	2.89	0.14
		CO	0.69	0.03
		SO_2	0.02	< 0.01
		PM	0.09	< 0.01
		PM_{10}	0.09	< 0.01
		$PM_{2.5}$	0.09	< 0.01
EFWPTK-1	Emergency Fire Water Pump Diesel Tank 1	VOC	0.03	< 0.01
EFWPTK-2	Emergency Fire Water Pump Diesel Tank 2	VOC	0.03	< 0.01
EFWPTK-3	Emergency Fire Water Pump Diesel Tank 3	VOC	0.04	< 0.01
EGEN-1	Emergency Generator No. 1	VOC	0.36	0.01
		NOx	0.09	< 0.01
		CO	0.36	0.01
		SO_2	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EGEN-2	Emergency Generator No. 2	VOC	0.01	< 0.01
		NOx	0.16	< 0.01
		CO	13.64	0.35
		SO_2	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

EGEN-3	Emergency Generator No. 3	VOC	0.01	< 0.01
		NOx	0.16	< 0.01
		CO	13.64	0.35
		SO_2	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
MSS-CONT	Controlled MSS Emissions Cap (6) (MSS-CONT-A & MSS-CONT-B)	VOC-A	18.27	0.34
		VOC-B	18.27	0.35
		NOx	7.17	1.34
		CO	6.66	1.20
		H_2S	0.05	0.01
		SO_2	5.28	0.75
		PM	0.27	0.08
		PM_{10}	0.27	0.08
		$PM_{2.5}$	0.27	0.08
MSS-ATM-A	Uncontrolled MSS Emissions Cap (Group A facilities) (6) (7)	VOC	68.88	1.16
		H_2S	0.12	< 0.01
P100-12	Tank P100-12	VOC	6.12	1.37
		H_2S	0.01	< 0.01
P100-13	Tank P100-13	VOC	6.12	1.37
		H_2S	0.01	< 0.01
P165-003	Tank P165-003	VOC	4.76	1.53
		H_2S	0.01	< 0.01
P165-004	Tank P165-004	VOC	4.76	1.53
		H_2S	0.01	< 0.01
P165-005	Tank P165-005	VOC	4.76	1.53
		H_2S	0.01	< 0.01
P165-006	Tank P165-006	VOC	4.76	1.53

Emission Sources - Maximum Allowable Emission Rates

		H_2S	0.01	< 0.01
P110-001	Tank P110-001	VOC	5.80	1.31
		H_2S	0.01	< 0.01
P110-002	Tank P110-002	VOC	5.80	1.31
		H_2S	0.01	< 0.01
P110-003	Tank P110-003	VOC	5.80	1.31
		H_2S	0.01	< 0.01
P110-004	Tank P110-004	VOC	5.80	1.31
		H_2S	0.01	< 0.01
P120-001	Tank P120-001	VOC	5.56	1.43
		H_2S	0.01	< 0.01
P120-002	Tank P120-002	VOC	5.56	1.43
		H_2S	0.01	< 0.01
P120-003	Tank P120-003	VOC	5.56	1.43
		H_2S	0.01	< 0.01
P120-004	Tank P120-004	VOC	5.56	1.43
		H_2S	0.01	< 0.01
P165-001	Tank P165-001	VOC	4.76	1.47
		H_2S	0.01	< 0.01
P165-002	Tank P165-002	VOC	4.76	1.47
		H_2S	0.01	< 0.01
TANKCAP-B	Tank Cap (Group B Tanks) (6)	VOC	—	11.39
		H_2S	—	0.02
FUG-B	Piping Fugitive Components (Group B Tanks) (5) (6)	VOC	0.83	3.63
		H_2S	< 0.01	0.01
LOADFUG-B	Uncontrolled Loading Annual Emissions Cap (Liquid Transfers from Group B Tanks) (6)	VOC	—	6.51
		H_2S	—	0.01
TK-LAND-B	Uncontrolled Routine Tank Roof Landings (Group B Tanks) (6)	VOC	28.60	2.12
		H_2S	0.05	< 0.01

Emission Sources - Maximum Allowable Emission Rates

MSS-ATM-B	Uncontrolled MSS Emissions Cap (Group B Facilities) (6) (7)	VOC	77.68	1.57
		H_2S	0.10	< 0.01
T-101	Lift Station T-101	VOC	0.97	0.04
		H_2S	<0.01	<0.01
T-201	Lift Station T-201	VOC	0.97	0.03
		H_2S	<0.01	<0.01
T-301	Lift Station T-301	VOC	0.97	0.03
		H_2S	<0.01	<0.01
T-401	Lift Station T-401	VOC	0.97	0.03
		H_2S	<0.01	<0.01
All EPNs	Site Wide Emission Caps	Individual HAP	—	< 10.00
		Total HAP	—	< 25.00

(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. All emission limitations applying to VOC shall apply separately to emissions of total non-VOC carbon compounds.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
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
CO - carbon monoxide
H_2S - Hydrogen Sulfide
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.
(6) Facilities are designated as belonging either to Group A or to Group B at Special Condition 2.
(7) Inherently Low Emission Activities (Attachment A) assume 1.62 lbs/hour and 0.17 tpy occur at all times in association with these emission caps.

Date: April 17, 2017