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)
Group A Facilities				
P100-001	Tank P100-001	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-002	Tank P100-002	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-003	Tank P100-003	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-004	Tank P100-004	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-005	Tank P100-005	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-006	Tank P100-006	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-007	Tank P100-007	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-008	Tank P100-008	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-009	Tank P100-009	VOC	3.85	1.33
		H_2S	0.02	0.01
P100-010	Tank P100-010	VOC	3.85	1.33
		H_2S	0.02	0.01
P12-001	Tank P12-001	VOC	11.25	0.96
		H_2S	0.06	0.01
P12-002	Tank P12-002	VOC	9.23	0.98

Emission Sources - Maximum Allowable Emission Rates

		H_2S	0.05	0.01
P12-003	Tank P12-003	VOC	9.23	0.98
		H_2S	0.05	0.01
P80-001	Tank P80-001	VOC	4.45	1.18
		H_2S	0.02	0.01
TANKCAP-A	Tank Cap (Group A Tanks) (6)	VOC	—	8.72
		H_2S	—	0.05
FUG-A	Piping Fugitive Components (Group A Facilities) (5) (6)	VOC	0.41	1.81
		H_2S	< 0.01	0.01
LOADUNC-A	Uncontrolled/Uncollected Loading Annual Emissions Cap (Liquid Transfers from Group A Tanks) (6)	VOC	—	4.46
		H_2S	—	0.02
TK-LAND-A	Uncontrolled Routine Tank Roof Landings (Group A Tanks) (6)	VOC	48.31	1.72
		H_2S	0.26	0.01
HOSEDRAIN-A	Drain Hose to Sump (6)	VOC	3.00	1.75
		H_2S	0.02	0.01
HOSEVENT-A	Hose Depressurizing and Venting to Atmosphere (6)	VOC	17.52	2.96
		H_2S	0.10	0.02
MSS-ATM-A	Uncontrolled MSS Emissions Cap (Group A facilities) (6)	VOC	209.48	2.18
		H_2S	1.14	< 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

Emission Sources - Maximum Allowable Emission Rates

EFWP-1	Emergency Fire Water Pump No. 1	VOC	0.10	< 0.01
		NO_x	2.64	< 0.01
		CO	0.51	0.01
		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
		NO_x	2.64	< 0.01
		CO	0.51	0.01
		SO2	0.01	< 0.01
		PM	0.09	< 0.01
		PM_{10}	0.09	< 0.01
		$PM_{2.5}$	0.09	< 0.01
EFWP-3	Emergency Fire Water Pump No. 3	VOC	0.12	< 0.01
		NO_x	3.01	0.08
		CO	0.58	0.02
		SO_2	0.01	< 0.01
		PM	0.10	< 0.01
		PM_{10}	0.10	< 0.01
		$PM_{2.5}$	0.10	< 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

Emission Sources - Maximum Allowable Emission Rates

EGEN-1	Emergency Generator No. 1	VOC	0.31	<0.01
		NO_x	0.08	<0.01
		CO	0.31	<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
		NO_x	0.14	<0.01
		CO	11.61	0.30
		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-3	Emergency Generator No. 3	VOC	0.01	<0.01
		NOx	0.14	<0.01
		CO	11.61	0.30
		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-A	Controlled MSS Emissions Cap	VOC	2.09	0.39
		NOx	2.61	0.78
		CO	3.48	1.05
		H_2S	0.03	0.01
		SO_2	2.55	0.66
		PM	0.13	0.04
		PM_{10}	0.37	0.04
		$PM_{2.5}$	0.37	0.04

Emission Sources - Maximum Allowable Emission Rates

Group B Facilities				
P100-12	Tank P100-12	VOC	5.71	1.35
		H_2S	0.03	0.01
P100-13	Tank P100-13	VOC	5.71	1.35
		H_2S	0.03	0.01
P165-003	Tank P165-003	VOC	16.04	1.51
		H_2S	0.09	0.01
P165-004	Tank P165-004	VOC	16.04	1.51
		H_2S	0.09	0.01
P165-005	Tank P165-005	VOC	16.04	1.51
		H_2S	0.09	0.01
P165-006	Tank P165-006	VOC	16.04	1.51
		H_2S	0.09	0.01
P110-001	Tank P110-001	VOC	5.42	1.38
		H_2S	0.03	0.01
P110-002	Tank P110-002	VOC	5.42	1.38
		H_2S	0.03	0.01
P110-003	Tank P110-003	VOC	19.52	1.38
		H_2S	0.11	0.01
P110-004	Tank P110-004	VOC	19.52	1.38
		H_2S	0.11	0.01
P120-001	Tank P120-001	VOC	18.71	1.41
		H_2S	0.10	0.01
P120-002	Tank P120-002	VOC	18.71	1.41
		H_2S	0.10	0.01
P120-003	Tank P120-003	VOC	18.71	1.41
		H_2S	0.10	0.01
P120-004	Tank P120-004	VOC	18.71	1.41
		H_2S	0.10	0.01

Emission Sources - Maximum Allowable Emission Rates

P165-001	Tank P165-001	VOC	16.04	1.51
		H_2S	0.09	0.01
P165-002	Tank P165-002	VOC	16.04	1.51
		H_2S	0.09	0.01
TANKCAP-B	Tank Cap (Group B Tanks) (6)	VOC	—	11.44
		H_2S	—	0.06
FUG-B	Piping Fugitive Components (Group B Tanks) (5) (6)	VOC	0.83	3.63
		H_2S	< 0.01	0.02
LOADUNC-B	Uncontrolled/Uncollected Loading Annual Emissions Cap (Liquid Transfers from Group B Tanks) (6)	VOC	—	2.97
		H_2S	—	0.02
TK-LAND-B	Uncontrolled Routine Tank Roof Landings (Group B Tanks) (6)	VOC	48.41	3.25
		H_2S	0.26	0.02
HOSEDRAIN-B	Drain Hose to Sump (6)	VOC	3.00	1.68
		H_2S	0.02	0.01
HOSEVENT-B	Hose Depressurizing and Venting to Atmosphere (6)	VOC	17.52	2.08
		H_2S	0.10	0.01
MSS-ATM-B	Uncontrolled MSS Emissions Cap (Group B Facilities) (6)	VOC	209.48	2.93
		H_2S	<0.01	0.02
EGEN-4	Emergency Generator No. 4	VOC	0.02	< 0.01
		NO_X	0.25	< 0.01
		CO	20.60	0.54
		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-5	Emergency Generator No. 5	VOC	0.10	< 0.01
		NO_X	1.61	< 0.01
		CO	133.46	3.47
		SO_2	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
EGEN-6	Emergency Generator No. 6	VOC	0.06	< 0.01
		NO_X	1.60	0.04
		CO	0.31	0.01
		SO_2	0.01	< 0.01
		PM	0.06	< 0.01
		PM_{10}	0.06	< 0.01
		$PM_{2.5}$	0.06	< 0.01
MSS-CONT-B	Controlled MSS Emissions Cap	VOC	2.09	0.40
		NO_x	2.61	0.78
		CO	3.48	1.05
		H_2S	0.03	0.01
		SO_2	2.55	0.66
		PM	0.13	0.04
		PM_{10}	0.13	0.04
		$PM_{2.5}$	0.13	0.04
Groups A and B Facilities				
(VC-001, VC-002, VC-003, & FL-001)	Controlled Loading, Hose Venting, Wastewater System, & Roof Landing Routine and MSS Annual Emissions Cap (6)	VOC-A	—	2.50
		VOC-B	--	2.93
		NO_x	—	26.52
		CO	—	88.40
		$H2_S$	—	0.20
		SO_2	—	14.64
		PM	—	3.29
		PM_{10}	—	3.29
		$PM_{2.5}$	—	3.29
Group C Facilities				

Emission Sources - Maximum Allowable Emission Rates

P060-001	Tank P060-001	VOC	12.22	2.02
		H_2S	0.07	0.01
P060-002	Tank P060-002	VOC	12.22	2.02
		H_2S	0.07	0.01
P100-014	Tank P100-014	VOC	9.43	2.46
		H_2S	0.05	0.01
P100-015	Tank P100-015	VOC	9.43	2.46
		H_2S	0.05	0.01
P100-016	Tank P100-016	VOC	9.43	2.46
		H_2S	0.05	0.01
P100-017	Tank P100-017	VOC	9.43	2.46
		H_2S	0.05	0.01
P100-018	Tank P100-018	VOC	9.43	2.46
		H_2S	0.05	0.01
P100-019	Tank P100-019	VOC	9.43	2.46
		H_2S	0.05	0.01
P120-005	Tank P120-005	VOC	20.59	2.79
		H_2S	0.11	0.02
P120-006	Tank P120-006	VOC	20.59	2.79
		H_2S	0.11	0.02
P120-007	Tank P120-007	VOC	20.59	2.79
		H_2S	0.11	0.02
P120-008	Tank P120-008	VOC	20.59	2.79
		H_2S	0.11	0.02
P120-009	Tank P120-009	VOC	20.59	2.79
		H_2S	0.11	0.02
P120-010	Tank P120-010	VOC	20.59	2.79
		H_2S	0.11	0.02
P120-011	Tank P120-011	VOC	9.43	2.79

Emission Sources - Maximum Allowable Emission Rates

		H_2S	0.05	0.02
P120-012	Tank P120-012	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-013	Tank P120-013	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-014	Tank P120-014	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-015	Tank P120-015	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-016	Tank P120-016	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-017	Tank P120-017	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-018	Tank P120-018	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-019	Tank P120-019	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-020	Tank P120-020	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-021	Tank P120-021	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-022	Tank P120-022	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-023	Tank P120-023	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-024	Tank P120-024	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-025	Tank P120-025	VOC	9.43	2.79
		H_2S	0.05	0.02

Emission Sources - Maximum Allowable Emission Rates

P120-026	Tank P120-026	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-027	Tank P120-027	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-028	Tank P120-028	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-029	Tank P120-029	VOC	9.43	2.79
		H_2S	0.05	0.02
P120-030	Tank P120-030	VOC	9.43	2.79
		H_2S	0.05	0.02
P165-007	Tank P165-007	VOC	16.04	3.01
		H_2S	0.09	0.02
P165-008	Tank P165-008	VOC	16.04	3.01
		H_2S	0.09	0.02
P165-009	Tank P165-009	VOC	16.04	3.01
		H_2S	0.09	0.02
P165-010	Tank P165-010	VOC	16.04	3.01
		H_2S	0.09	0.02
P165-011	Tank P165-011	VOC	16.04	3.01
		H_2S	0.09	0.02
P165-012	Tank P165-012	VOC	16.04	3.01
		H_2S	0.09	0.02
TANKCAP-C	Total Emissions from Group C tanks	VOC	—	36.46
		H_2S	—	0.20
FUG-C	Piping Fugitive Components (Group C tanks) (5)(6)	VOC	4.25	18.60
		H_2S	0.02	0.10
LOAD-UNC-C	Uncontrolled/Uncollected Loading Annual Emissions Cap (Group C loading operations) (6)	VOC	—	16.38
		H_2S	—	0.09
TK-LAND-C	Uncontrolled Tank Roof Landings (Group C tanks) (6)	VOC	48.42	5.08

Emission Sources - Maximum Allowable Emission Rates

		H_2S	0.26	0.03
LOAD-CONT-C	Controlled Loading, Hose Venting, & Roof Landing Routine and MSS Annual Emissions Cap (Group C tanks and Group C loading operations) (6)(7)	VOC	—	6.17
		NO_X	—	13.82
		CO	—	50.83
		H_2S	—	0.27
		SO_2	—	22.71
		PM	—	1.72
		PM_{10}	—	1.72
		$PM_{2.5}$	—	1.72
HOSEVENT-C	Depressurize Hose to Atmosphere (Group C loading operations) (6)	VOC	17.52	6.13
		H_2S	0.10	0.03
HOSEDRAIN-C	Empty Hose to Tank or Uncontrolled Marine Vessel with Nitrogen (Group C tanks) (6)	VOC	3.00	2.02
		H_2S	0.02	0.01

Emission Sources - Maximum Allowable Emission Rates

EGEN-7	Emergency Generator No. 7	VOC	0.02	< 0.01
		NO_X	0.25	0.01
		CO	20.60	0.54
		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-8	Emergency Generator No. 8	VOC	0.02	< 0.01
		NO_X	0.25	0.01
		CO	20.60	0.54
		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-9	Emergency Generator No. 9	VOC	0.01	< 0.01
		NO_X	0.14	< 0.01
		CO	11.61	0.30
		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-10	Emergency Generator No. 10	VOC	0.01	0.01
		NO_X	0.23	< 0.01
		CO	0.04	< 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
MSS-CONT-C	Controlled MSS Emissions Cap (Group C facilities) (6)	VOC	2.09	0.46

Emission Sources - Maximum Allowable Emission Rates

		NO_X	2.61	0.90
		CO	3.48	1.19
		H_2S	0.03	0.01
		SO_2	2.55	0.79
		PM	0.13	0.04
		PM_{10}	0.13	0.04
		$PM_{2.5}$	0.13	0.04
MSS-ATM-C	Uncontrolled MSS Emissions Cap (Group C facilities)	VOC	209.84	6.10
		H_2S	< 0.01	0.03
Groups A, B and C				
DOCK-1	Uncollected/Uncontrolled Marine Vessel Loading Dock No. 1	VOC	86.51	—
		H_2S	0.15	—
DOCK-2	Uncollected/Uncontrolled Marine Vessel Loading Dock No. 2	VOC	86.51	—
		H_2S	0.15	—
DOCK-3	Uncollected/Uncontrolled Marine Vessel Loading Dock No. 3	VOC	86.51	—
		H_2S	0.15	—
DOCK-4	Uncollected/Uncontrolled Marine Vessel Loading Dock No. 4	VOC	86.51	—
		H_2S	0.15	—
RACK-1	Uncollected/Uncontrolled Truck and Railcar Loading Rack No. 5	VOC	66.92	—
		H_2S	0.12	—
RACK-3	Uncollected/Uncontrolled Truck and Railcar Loading Rack No. 5	VOC	66.92	—
		H_2S	0.12	—
RACK-5	Uncollected/Uncontrolled Truck and Railcar Loading Rack No. 5	VOC	66.92	—
		H_2S	0.12	—

Emission Sources - Maximum Allowable Emission Rates

VC-001	Controlled Loading, Hose Venting, Wastewater System, & Routine and	VOC	32.47	—
		NOx	5.94	—
		CO	19.80	—
		H_2S	0.59	—
VC-002	Controlled Loading, Hose Venting, Wastewater System, & Routine and	SO_2	23.11	—
		PM	0.74	—
		PM_{10}	0.74	—
		$PM_{2.5}$	0.74	—
		VOC	32.47	—
		NOx	5.94	—
		CO	19.80	—
		H_2S	0.59	—
		SO_2	23.11	—
		PM	0.74	—
PM_{10} 0.74 —				
VC-003	Controlled Loading, Hose Venting, Wastewater System, & Routine and	$PM_{2.5}$	0.74	—
		VOC	32.47	—
		NOx	5.94	—
		CO	19.80	—
		H_2S	0.59	—
		SO2	23.11	—
		PM	0.74	—
		PM_{10}	0.74	—
		$PM_{2.5}$	0.74	—

Emission Sources - Maximum Allowable Emission Rates

FL-001	Flare FL-001 (Pilot, sweep gas,	VOC	108.15	—
		NOx	20.88	—
		CO	41.69	—
		H_2S	0.27	—
		SO2	25.38	—
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 to Group A, B, or C at Special Condition 2.
(7) Emissions may occur at Emission Points VC-001, VC-002, VC-003, and/or FL-001.

Date: TBD