Emission Sources - Maximum Allowable Emission Rates

Permit Number 157170

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)
T-101	IFR Tank 101	VOC	0.05	0.22
		H_2S	0.01	0.01
T-102	IFR Tank 102	VOC	0.05	0.22
		H_2S	0.01	0.01
T-103	IFR Tank 103	VOC	0.05	0.22
		H_2S	0.01	0.01
T-104	IFR Tank 104	VOC	0.14	0.47
		H_2S	0.01	0.01
T-110	IFR Tank 110	VOC	6.04	2.53
		H_2S	0.01	<0.01
T-111	IFR Tank 111	VOC	6.04	2.53
		H_2S	0.01	<0.01
T-112	IFR Tank 112	VOC	6.45	2.60
		H_2S	0.01	<0.01
T-113	IFR Tank 113	VOC	6.45	2.60
		H_2S	0.01	<0.01
T-401	IFR Tank 401	VOC	8.88	1.35
		H_2S	0.01	<0.01
T-402	IFR Tank 402	VOC	8.88	1.35
		H_2S	0.01	<0.01
T-403	IFR Tank 403	VOC	8.88	1.35
		H_2S	0.01	<0.01
T-404	IFR Tank 404	VOC	8.88	1.35
		H_2S	0.01	<0.01

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T-405	IFR Tank 405	VOC	8.88	1.35
		H_2S	0.01	<0.01
T-406	IFR Tank 406	VOC	8.88	1.35
		H_2S	0.01	<0.01
T-407	IFR Tank 407	VOC	8.88	1.35
		H_2S	0.01	<0.01
T-408	IFR Tank 408	VOC	9.50	1.33
		H_2S	0.01	<0.01
T-409	IFR Tank 409	VOC	10.56	1.27
		H_2S	0.01	<0.01
T-410	IFR Tank 410	VOC	10.56	1.27
		H_2S	0.01	<0.01
T-411	IFR Tank 411	VOC	11.91	1.24
		H_2S	0.01	<0.01
T-412	IFR Tank 412	VOC	11.91	1.24
		H_2S	0.01	<0.01
T-413	IFR Tank 413	VOC	11.91	1.24
		H_2S	0.01	<0.01
T-414	IFR Tank 414	VOC	11.91	1.24
		H_2S	0.01	<0.01
T-201	IFR Tank 201	VOC	0.21	0.92
T-202	IFR Tank 202	VOC	0.14	0.62
T-203	IFR Tank 203	VOC	0.32	0.12
T-204	IFR Tank 204	VOC	0.32	0.12
T-205	IFR Tank 205	VOC	0.05	0.22
T-206	IFR Tank 206	VOC	4.63	0.32
T-207	IFR Tank 207	VOC	4.07	0.37
T-208	IFR Tank 208	VOC	6.03	0.29
T-209	IFR Tank 209	VOC	5.21	0.29

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T-210	IFR Tank 210	VOC	4.07	0.37
T-301	IFR Tank 301	VOC	0.82	1.49
		H_2S	0.01	0.01
T-302	IFR Tank 302	VOC	0.82	1.49
		H_2S	0.01	0.01
T-303	IFR Tank 303	VOC	0.82	1.49
		H_2S	0.01	0.01
T-304	IFR Tank 304a	VOC	0.82	1.49
		H_2S	0.01	0.01
T-305	IFR Tank 305	VOC	0.32	1.42
		H_2S	0.01	0.01
T-306	IFR Tank 306	VOC	0.32	1.42
		H_2S	0.01	0.01
T-307	IFR Tank 307	VOC	0.32	0.10
T-308	IFR Tank 308	VOC	0.72	2.21
T-309	IFR Tank 309	VOC	0.32	0.10
T-310	IFR Tank 310	VOC	0.27	0.09
TO	Loading Dock Thermal Oxidizer	VOC	9.17	8.39
		NOx	2.77	4.37
		CO	2.77	4.37
		SO_2	<0.01	0.04
		PM	0.27	0.43
		PM_{10}	0.27	0.43
		$PM_{2.5}$	0.27	0.43
		H_2S	0.01	0.01
FL-1	Ship/Barge Loading Flare	VOC	33.80	27.60
		NOx	3.29	14.43
		CO	1.40	6.14
		SO_2	<0.01	<0.01

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		H_2S	0.05	0.04
LOAD-FUG	Loading Fugitives	VOC	1.85	2.89
FUG-1	Fugitives (5)	VOC	0.31	1.37
MSS-FL-1	MSS Activities (6,7)	VOC	0.08	0.37
		NOx	1.43	6.25
		CO	0.61	2.66
		SO_2	0.02	0.09

(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
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
(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 representation.
(6) Maintenance, start-up, and shut-down activities.
(7) The MSS emissions represented as [EPN]: MSS-FL-1 represent a contribution of emissions released by the enclosed ground flare. The MSS emissions authorized by this permit represent the emissions generated from MSS activities at the Galveston Terminal operations and the emission contribution of the total source point emissions generated. The remaining MSS flare-controlled emissions are generated from the crude processing unit (CPU) operations authorized under NSR Permit no. 166930. [EPN]: MSS-FL-1 represents the Galveston Terminal MSS emissions controlled by the site's enclosed ground MSS flare. The Galveston Crude Processing Unit (CPU) authorized by NSR Permit no. 166930 routes the waste stream generated by CPU MSS also contributed to the emissions controlled by this flare.

Date: June 8, 2022