Emission Sources - Maximum Allowable Emission Rates

Permit Number 166930

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-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 304	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
H-101A	Crude Heater A	VOC	0.08	0.34
		NOx	2.16	9.46

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		CO	2.40	10.53
		SO_2	0.04	0.15
		PM	0.45	1.96
		PM_{10}	0.45	1.96
		$PM_{2.5}$	0.45	1.96
H-101B	Crude Heater B	VOC	0.08	0.34
		NOx	2.16	9.46
		CO	2.40	10.53
		SO_2	0.04	0.15
		PM	0.45	1.96
		PM_{10}	0.45	1.96
		$PM_{2.5}$	0.45	1.96
B-1	Boiler 1	VOC	0.01	0.05
		NOx	0.22	0.95
		CO	0.68	3.00
		SO_2	0.01	0.02
		PM	0.07	0.29
		PM_{10}	0.07	0.29
		$PM_{2.5}$	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
B-2	Boiler 2	VOC	0.01	0.05
		NOx	0.22	0.95
		CO	0.68	3.00
		SO_2	0.01	0.02
		PM	0.07	0.29
		PM_{10}	0.07	0.29
		$PM_{2.5}$	0.07	0.29
B-3	Boiler 3	VOC	0.01	0.05
		NOx	0.22	0.95
		CO	0.68	3.00
		SO_2	0.01	0.02
		PM	0.07	0.29
		PM_{10}	0.07	0.29
		$PM_{2.5}$	0.07	0.29
B-4	Boiler 4	VOC	0.01	0.05
		NOx	0.22	0.95
		CO	0.68	3.00
		SO_2	0.01	0.02
		PM	0.07	0.29
		PM_{10}	0.07	0.29
		$PM_{2.5}$	0.07	0.29
FUG	Fugitives (5)	VOC	0.21	0.93

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FL-CPU1	CPU MSS Flare (6,7)	VOC	31.37	2.34
		NOx	3.05	13.37
		CO	1.30	5.69
		SO_2	0.01	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) 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 representations.
(6) Maintenance, start-up, and shut-down activities.
(7) The emission source unit represented by [EPN]: FL-CPU1 controls emissions produced from terminal operations and crude processing unit operations at this site. The MSS represented as [EPN]: FL-CPU1 represented are operation specific and constitute the portion of the total source emissions generated via MSS activities associated with the crude processing unit (CPU) operations. The remaining MSS flare emissions from the flare, generated from the site's terminal operations are authorized under NSR Permit no. 157170.

Date: September 1, 2023