Emission Sources - Maximum Allowable Emission Rates

Permit Number 2427

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)
4-2	Steam Boiler (8.4 MMBTU/HR)	VOC	0.05	0.20
		NOx	0.82	3.61
		CO	0.69	3.03
		SO_2	0.01	0.02
		PM	0.06	0.27
		PM_{10}	0.06	0.27
		$PM_{2.5}$	0.06	0.27
		HAPs	0.02	0.07
5-3	Hot Oil Furnace (23.5 MMBTU/HR)	VOC	0.13	0.56
		NOx	2.30	10.09
		CO	1.94	8.48
		SO_2	0.01	0.06
		PM	0.18	0.77
		PM_{10}	0.18	0.77
		$PM_{2.5}$	0.18	0.77
		HAPs	0.04	0.19
5-4	Flare	VOC	21.74	2.03
		NOx	1.03	4.49
		CO	8.79	38.52
		SO_2	0.01	1.60
		HAPs	9.19	0.60
CARBON-A	Carbon Adsorber A (6)	VOC	0.63	0.03
		HAPs	0.27	0.01
T-908	T-908	H_2SO_4	0.15	<0.01

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CSCRUB	Caustic Scrubber	VOC	21.92	0.54
TL-TBM	Truck Bay 2 (Middle) – Uncaptured by Flare	VOC	0.03	0.01
TL-TBN	Truck Bay 3 (North) – Uncaptured by Flare	VOC	0.03	<0.01
TL-AABO	AABO Loading Area – Uncaptured by Flare	VOC	0.28	0.02
		HAPs	0.10	0.01
RL-RBE	Railcar Bay (East)	VOC	<0.01	<0.01
		HAPs	<0.01	<0.01
RL-RBM	Railcar Bay (Middle)	VOC	3.06	0.74
		HAPs	3.06	0.74
TL-WHS	Warehouse Truck Bay	VOC	8.08	0.07
		HAPs	3.29	0.01
		H_2SO_4	<0.01	<0.01
TL-800	800 Area Truck Bay	VOC	3.43	0.20
		HAPs	3.43	<0.01
TL-BLND	Blend Tanks Truck Bay	VOC	3.06	0.19
TL-1600	1600 Area Truck Bay	VOC	1.89	0.01
FUG	Fugitives (5)	VOC	1.17	5.11
		HAPs	0.31	1.37
8-7	D200	VOC	0.64	0.01
3-6	T-302	VOC	2.94	0.16
3-5	T-303	VOC	0.28	<0.01
3-4	T-304	VOC	0.04	0.01
3-3	T-305	VOC	0.02	<0.01
3-2	T-306	VOC	1.62	0.59
3-1	T-307	VOC	1.62	1.13
3-13	T-309	VOC	0.61	1.23
		HAPs	0.61	1.23
3-12	T-310	VOC	0.03	<0.01

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3-11	T-311	VOC	0.04	0.01
3-10	T-312	VOC	0.06	<0.01
3-7	T-351	VOC	1.50	0.01
3-8	T-1101	VOC	1.77	0.02
3-9	T-1102	VOC	4.59	0.05
		HAPs	4.59	0.05
3-14	T-1105	VOC	1.91	0.06
3-15	T-1106	VOC	4.59	0.06
3-16	T-1109 (8)	VOC	0.01	1.03
		HAPs	0.01	1.03
3-17	T-1110	VOC	2.06	<0.01
		HAPs	2.06	<0.01
		H_2SO_4	<0.01	<0.01
3-18	T-1111 (8)	VOC	0.01	0.18
		HAPs	0.01	0.18
3-19	T-1112 (8)	VOC	0.01	0.30
		HAPs	0.01	0.30
3-20	T-1604	VOC	2.83	0.02
3-21	T-3012	VOC	0.05	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
CO - carbon monoxide
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
H_2SO_4 - sulfuric acid
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) The carbon adsorption system (CAS) unit serves as a backup for the facility flare during periods when the flare is temporarily removed from service. These control devices are not operated simultaneously.

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(7) The following tanks vent through this emission point: T-1103, T-1104, T-1108, and T-1201.

Date: June 27, 2019