Emission Sources - Maximum Allowable Emission Rates

Permit Number 705

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 (6)	
			lbs/hour	TPY (4)
1	Timber Treatment (5)	VOC	0.68	1.92
		HAPS (7)	0.42	1.18
1a	Equipment Fugitives (5)	VOC	0.20	0.85
		HAPs (7)	0.11	0.52
1b	Treatment Cylinder Doors (5)	VOC	0.28	0.80
		HAPs (7)	0.18	0.50
2e	Creosote Work Tank C (5)	VOC	0.03	0.09
		HAPs	0.02	0.05
2f	Creosote Work Tank D (5)	VOC	0.03	0.09
		HAPs	0.02	0.05
2g	Creosote Work Tank E (5)	VOC	0.03	0.09
		HAPs	0.02	0.05
2h	Creosote Work Tank F (5)	VOC	0.03	0.09
		HAPs	0.02	0.05
26	A and B Mill Cyclone Stack	PM	0.12	0.34
		PM_{10}	0.06	0.17
		$PM_{2.5}$	0.08	0.17
31	Unloader Cyclone Stack	PM	0.82	2.31
		PM_{10}	0.41	1.16
		$PM_{2.5}$	0.41	1.16
37	Gasoline Storage Tank	VOC	<0.01	<0.01
40	Boiler No 1. Stack	VOC	0.14	0.60
		NO_X	2.50	10.86
		SO_2	0.02	0.07

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		PM	0.19	0.83
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
		CO	2.10	9.13
41	Boiler No 2. Stack	VOC	0.14	0.60
		NO_X	2.50	10.86
		SO_2	0.02	0.07
		PM	0.19	0.83
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
		CO	2.10	9.13
42	Treated Wood Storage (5)	VOC	3.18	8.94
		HAPS	1.96	5.51
58	Railcar Unloading (5)	VOC	0.21	0.58
		HAPs	0.12	0.34
65	Switch Tie Unloading (5)	PM	0.67	1.88
		PM_{10}	0.33	0.94
		$PM_{2.5}$	0.33	0.94
F1 (2c – 2d, 49 – 57, 61, and 63 – 64)	Wastewater Treatment System Fugitives (5)	VOC	0.20	0.39
		HAPs	0.05	0.16

(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
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) Planned startup and shutdown emissions are included for all sources. Any other maintenance

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activities are not authorized by this permit, but will be authorized separately.

(7) VOCs in sources associated with creosote treatment (excludes boilers) include four Hazardous Air Pollutants (HAPs): naphthalene, dibenzofuran, biphenyl, and quinoline. Naphthalene represents the HAP of the highest concentration in VOCs, approximately 58 percent of the total VOC amount. The remaining three HAPs are present at a combined concentration of less than 4 percent of the total VOC amount.

Date: July 30, 2020