Emission Sources - Maximum Allowable Emission Rates

Permit Number 114950

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)
DRYSTK	Pellet Dryer/Gas Burner (Wood Burner) Multicyclone Stack	VOC	23.74	41.59
		NO_X	1.59	2.79
		SO_2	0.18	0.31
		PM	4.54	7.95
		PM_{10}	1.17	2.05
		$PM_{2.5}$	1.17	2.05
		CO	6.00	26.28
		HCHO*	0.38	0.67
		MeOH*	0.29	0.51
		Xylene*	0.88	1.55
		HAP	2.41	4.27
DBRK	Log Debarker (5)	PM	0.04	0.04
		PM_{10}	0.02	0.02
		$PM_{2.5}$	<0.01	<0.01
CHIP	Chipping (5)	VOC	0.13	0.11
		PM	0.04	0.04
		PM_{10}	0.02	0.02
		$PM_{2.5}$	<0.01	<0.01
		HAP	<0.01	<0.01
BHOG	Wood Hog (5)	PM	0.01	0.01
		PM_{10}	<0.01	0.01

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		$PM_{2.5}$	<0.01	<0.01
HAMMER	Dry Hammermill Baghouse Stack	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
COOLER	Cooler Cyclone Stack	VOC	0.49	2.14
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		HAP	<0.01	0.01
BARK_LD	Bark Truck Loadout (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
CHIPPILE	Chip Pile Unloading (5)	PM	0.09	0.09
		PM_{10}	0.04	0.04
		$PM_{2.5}$	0.01	0.01
DRY_SILO	Dry Silo Loading (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
MIL_SILO	Milled Material Silo Baghouse Stack	VOC	1.15	5.04
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		HAP	<0.01	0.01
HAM_ULD	Hammermill In-Feed Unloading (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01

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PEL_LD	Pellet Truck Loadout (5)	VOC	2.00	8.76
		PM	0.06	0.06
		PM_{10}	0.03	0.03
		$PM_{2.5}$	<0.01	<0.01
		HAP	0.02	0.09
Shavings Transfer Baghouse	SHAV_BH	PM	0.05	0.22
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.05	0.22
Whole Log Shaver	SHAV_FUG	PM	0.01	0.05
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
Shavings Truck Loadout	SHAVTRK_LD	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
Site-wide HAPs		HAPs	2.45	4.27

(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
HCHO - formaldehyde
MeOH - methanol
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, as well as planned maintenance activities identified as part of the permit issued on September 11, 2014.

* Also included in the HAP

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Date: February 24, 2020