Emission Sources - Maximum Allowable Emission Rates

Permit Number 98014

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)
Ia - IIb	Dry Hammermill and Cooler Air Aspiration System RCO Stack	PM	4.25	16.99
		PM_{10}	4.25	16.99
		$PM_{2.5}$	4.25	16.99
		VOC	6.55	26.25
		CO	21.98	87.93
		NO_x	13.57	54.29
		SO_2	1.08	4.01
IIIa	Wet Mill Aspiration Cyclone 1 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10
IIIb	Wet Mill Aspiration Cyclone 2 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10
IIIc	Wet Mill Aspiration Cyclone 3 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10
IIId	Wet Mill Aspiration Cyclone 4 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10
IIIe	Wet Mill Aspiration Cyclone 5 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10

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IIIf	Wet Mill Aspiration Cyclone 6 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10
IIIg	Wet Mill Aspiration Cyclone 7 Stack	PM	1.46	5.82
		PM_{10}	0.32	1.29
		$PM_{2.5}$	0.28	1.10
IV	Dryers 1 and 2 WESP and RTO Stack	PM	4.09	17.90
		PM_{10}	4.09	17.90
		$PM_{2.5}$	4.09	17.90
		VOC	14.80	64.90
		CO	22.30	97.70
		NO_x	40.04	175.40
		SO_2	1.08	4.01
VII	Starch Silo Vent	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
IXa	Storage Silo 1 Vent	PM	0.16	0.65
		PM_{10}	0.08	0.31
		$PM_{2.5}$	0.01	0.05
IXb	Storage Silo 2 Vent	PM	0.16	0.65
		PM_{10}	0.08	0.31
		$PM_{2.5}$	0.01	0.05
IXc	Storage Silo 3 Vent	PM	0.16	0.65
		PM_{10}	0.08	0.31
		$PM_{2.5}$	0.01	0.05
IXd	Storage Silo 4 Vent	PM	0.16	0.65
		PM_{10}	0.08	0.31

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		$PM_{2.5}$	0.01	0.05
X	Rechipper (5)	PM	0.02	0.07
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
XI	Chipper (5)	PM	0.04	0.15
		PM_{10}	0.01	0.05
		$PM_{2.5}$	<0.01	0.01
XII	Debarker (5)	PM	0.29	1.16
		PM_{10}	0.13	0.53
		$PM_{2.5}$	0.03	0.13
HANDLING	Material Handling (5)	PM	1.37	5.88
		PM_{10}	0.68	2.91
		$PM_{2.5}$	0.10	0.44
DIESELTANK	Diesel Tank (5)	VOC	<0.01	<0.01
MSSFUG	Blowing and Sweeping (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
	Site-Wide HAPs	Individual HAP	--	<10.00
		Total HAPs	--	<25.00

(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. Planned maintenance has been reviewed and included in the MAERT for specific maintenance activities identified in the permit Special Conditions. Any other maintenance, startup, or shutdown activities that are not authorized by this permit, will be authorized separately.

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Date: April 8, 2021