

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19781

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)
SHAVCYC	Shavings Transfer Cyclone Stack	PM	3.77	16.51
		PM ₁₀	1.99	8.74
		PM _{2.5}	1.11	4.87
SAWCBCYC	Old Chip Bin Sawdust Cyclone Stack	PM	0.59	2.59
		PM ₁₀	0.31	1.37
		PM _{2.5}	0.17	0.76
SILO1CYC	Sawdust Silo No. 1 Cyclone Stack	PM	0.59	2.59
		PM ₁₀	0.31	1.37
		PM _{2.5}	0.17	0.76
SILO2CYC	Sawdust Silo No. 2 Cyclone Stack	PM	0.59	2.59
		PM ₁₀	0.31	1.37
		PM _{2.5}	0.17	0.76
SILO3CYC	Sawdust Silo No. 3 Cyclone Stack	PM	0.59	2.59
		PM ₁₀	0.31	1.37
		PM _{2.5}	0.17	0.76
GAS1	Gasifier No. 1 (Multiclone) Stack	VOC	0.47	---
		NO _x	6.05	---
		SO ₂	0.69	---
		PM	6.52	---
		PM ₁₀	5.97	---
		PM _{2.5}	3.77	---
		CO	16.50	---
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GAS1A	Gasifier No. 1 Relief Stack	VOC	2.13	0.96
		NO _x	3.03	0.68
		SO ₂	0.34	0.08
		PM	3.26	0.73
		PM ₁₀	2.98	0.67
		PM _{2.5}	1.88	0.42
		CO	8.25	1.86
HURSTBLR	Hurst Boiler (Multiclone) Stack	VOC	0.50	
		NO _x	6.42	
		SO ₂	0.73	
		PM	7.30	
		PM ₁₀	6.34	
		PM _{2.5}	4.00	
		CO	17.52	
GAS1/HURST	Gasifier No. 1 & Hurst Boiler – Annual Emissions	VOC		2.68
		NO _x		34.69
		SO ₂		3.94
		PM		39.42
		PM ₁₀		34.22
		PM _{2.5}		21.60
		CO		94.61
DK-WEST	Dry Kiln West	VOC	15.54	---
		MeOH	1.09	---
		HCHO	0.10	---
DK-EAST	Dry Kiln East	VOC	11.77	---
		MeOH	0.82	---
		HCHO	0.08	---
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DK-3	New Dry Kiln	VOC	17.04	---

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		HCHO	0.11	---
DRYKILNS	Dry Kiln West, Dry Kiln East and New Dry Kiln	VOC	---	92.30
		MeOH	---	6.47
		HCHO	---	0.59
SAWFUG	Log Sawing Fugitives (5)	PM	0.72	0.95
		PM ₁₀	0.05	0.06
		PM _{2.5}	0.05	0.06
DBRKFUG	Debarking Fugitives (5)	PM	0.02	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
CHIPFUG	Chipper Fugitives (5)	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SCRNFUG	Screening Fugitives (5)	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BUTTDCCR	Butt Reducer (5)	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ASHHAND	Ash Handling Fugitives (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BARKLOAD	Bark Truck Loading (5)	PM	0.03	0.04
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
CHIPLOAD Project Number: 324317	Chip Truck Loading (5)	PM	0.05	0.06
		PM ₁₀	0.02	0.05
		PM _{2.5}	0.02	0.02

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	Loading (5)	PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
SILOFEED	Sawdust Hopper Loading (5)	PM	0.04	0.04
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
DBINLOAD	Sawdust Truck Bin Loading (5)	PM	0.06	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
DTRKLOAD	Sawdust Truck Loading (5)	PM	0.06	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
SBINLOAD	Shavings Truck Bin Loading (5)	PM	0.02	0.03
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
STRKLOAD	Shavings Truck Loading (5)	PM	0.02	0.03
		PM ₁₀	0.01	0.01
		PM _{2.5}	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
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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
- MeOH - methanol
- HCHO - formaldehyde
- (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. Maintenance activities are not authorized by this permit.

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Date: April 15, 2021