

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 17395 and PSDTX1008M3

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 (14)	TPY (4)
LU-04-FU (15)	West Lumber Kilns 1 and 2 (16 vents/kiln)	VOC (7)	105.73	---
		PM	1.08	---
		PM ₁₀	1.08	---
		PM _{2.5}	1.08	---
		Acetaldehyde	0.97	---
		MeOH	5.76	---
		CHOH	0.28	---
		Phenol	0.24	---
		Total HAPs	7.49	---
LU-04-FU (15)	West Lumber Kilns 1 and 2 (8 stacks/kiln)	VOC (7)	125.56	---
		PM	1.29	---
		PM ₁₀	1.29	---
		PM _{2.5}	1.29	---
		Acetaldehyde	1.15	---
		MeOH	6.84	---
		CHOH	0.33	---
		Phenol	0.28	---
		Total HAPs	8.89	---
LU-05-FU (15) Project Numbers: 328369	East Lumber Kilns 1 and 2 (16 vents/kiln)	VOC (7)	105.73	---
		PM	1.08	---
		PM ₁₀	1.08	---
		PM _{2.5}	1.08	---

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		Acetaldehyde	0.97	---
		MeOH	5.76	---
		CHOH	0.28	---
		Phenol	0.24	---
		Total HAPs	7.49	---
LU-05-FU (15)	East Lumber Kilns 1 and 2 (8 stacks/kiln)	VOC (7)	125.56	---
		PM	1.29	---
		PM ₁₀	1.29	---
		PM _{2.5}	1.29	---
		Acetaldehyde	1.15	---
		MeOH	6.84	---
		CHOH	0.33	---
		Phenol	0.28	---
		Total HAPs	8.89	---
LU-04-FU and LU-05-FU	West Lumber Kilns 1 and 2 and East Lumber Kilns 1 and 2	VOC (7)	---	768.44
		PM	---	7.87
		PM ₁₀	---	7.87
		PM _{2.5}	---	7.87
		Acetaldehyde	---	7.06
		MeOH	---	41.84
		CHOH	---	2.02
		Phenol	---	1.72
		Total HAPs	---	54.36
LU-09 Project Numbers: 328369	Wood-Fired Boiler Wet Scrubber Stack	VOC (8)	7.14	31.27
		NO _x	30.54	133.33
		SO ₂	2.18	7.06
		PM	19.45	85.15
		PM ₁₀ (9)	11.24	49.19

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		CO (10)	411.63	1416.49
		HCl	2.46	10.76
		MeOH	0.23	1.01
		Total HAPs	3.57	15.62
LU-SM-FU	Sawmill (5)(11)	PM	0.25	0.61
		PM ₁₀	0.09	0.22
		PM _{2.5}	0.03	0.07
LU-LGPR-FU	Log Processing (Crook Saw, Bucking Saw, and Ring Debarker) (5)(11)	PM	0.16	0.33
		PM ₁₀	0.08	0.16
		PM _{2.5}	0.02	0.05
LU-10A-FU	Lumber Fuel Truck Dump (5)	PM	9.90	1.49
		PM ₁₀	0.11	0.02
		PM _{2.5}	0.02	<0.01
LU-TL-FU	Sawdust Truck Loading (5)	PM	0.09	0.02
		PM ₁₀	0.04	0.01
		PM _{2.5}	0.01	<0.01
LU-TLSH-FU	Shavings Truck Loading (5)	PM	0.04	0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
LU-MH-FU	Material Handling (5)(11)	PM	0.59	1.27
		PM ₁₀	0.28	0.60
		PM _{2.5}	0.04	0.09
LU-BARK-FU	Sitewide Bark Handling (5)(11)	PM	2.92	5.68
		PM ₁₀	0.03	0.06
		PM _{2.5}	0.01	0.01
LU-CHIP-FU Project Numbers: 328369	Sitewide Chip Handling (5)(11)	PM	0.61	1.04
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01

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	Stack (12)	PM ₁₀	1.00	4.37
		PM _{2.5}	0.70	3.04
LU-03	Dry Trim (12)	PM	1.03	4.49
		PM ₁₀	1.03	4.49
		PM _{2.5}	0.67	2.91
LU-CHPAD-FU	Chip Pad (5)(11)	PM	0.10	0.19
		PM ₁₀	0.05	0.09
		PM _{2.5}	0.01	0.01
LU-TLCH-FU	Chips Truck Loading (FB) (5)(11)	PM	0.13	0.19
		PM ₁₀	0.06	0.09
		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
 - CHOH - 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, as well as planned maintenance activities identified as part of permit alteration issued on March 28, 2013.
- (7) VOC presented on a Wood Products Protocol No. 1 (WPP1) basis.
- (8) VOC presented on a carbon basis.
- (9) Compliance with PM₁₀ and PM_{2.5} based on Method 5, Method 202, and Electrical Sensing Zone particle size distribution analysis.
- (10) CO compliance shall be demonstrated on a daily (24-hour average) basis.
- (11) Compliance shall be demonstrated on a daily (24-hour average) basis.
- (12) For demonstrating compliance, the hourly and annual emissions from the EPNs LU-02 and LU-03 should be summed.
- (13) VOC presented as sum of VOC species.
- (14) Unless otherwise indicated, compliance with all short-term emission limits shall be demonstrated on a 3-hour average basis.
- (15) For demonstrating compliance, emissions from the kilns (EPNs LU-04-FU and LU-05-FU) should be summed. Compliance with short-term emission rates should be demonstrated on a daily (24-hour average) basis.

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Date: June 22, 2021