Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 17395/PSDTX1008M1

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 * (7)	
			lbs/hour	TPY
LU-04-FU#	West Lumber Kilns 1 and 2	VOC (as C)	35.00	118.75
		РМ	1.04	3.51
		PM ₁₀	1.04	3.51
		МеОН	4.79	16.25
		СНОН	0.48	1.63
LU-05-FU#	East Lumber Kilns 1 and 2	VOC (as C)	35.00	118.75
		РМ	1.06	3.51
		PM ₁₀	1.06	3.51
		МеОН	4.90	16.25
		СНОН	0.49	1.63
LU-09	Wood-Fired Boiler	VOC (as C)	2.47	10.82
		NO _X	30.44	133.32
		SO ₂	0.67	2.94
		РМ	19.44	85.14
		PM ₁₀	9.72	42.57
		со	323.40	1416.49
LU-LOGSTFU	Log Storage (4)(5)	РМ	1.07	2.98
LU-10-FU	Boiler Fuel House (4)	РМ	0.52	2.26
		PM ₁₀	0.26	1.13

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LU-10A-FU	Lumber Fuel Truck Dump (4)	РМ	0.01	<0.01
		PM ₁₀	<0.01	<0.01
LU-SM-FU	Sawmill (4)	РМ	0.06	0.13
		PM ₁₀	0.03	0.06
LU-TL-FU	Truck Loading (4)	РМ	<0.01	0.01
		PM ₁₀	<0.01	0.01
LU-CS-FU	Cooling Shed (4)(5)	VOC (as C)	3.09	10.37
		MeOH	0.42	1.42
		СНОН	0.04	0.14
LU-02	Planer Mill Baghouse (6)	PM ₁₀	0.75	2.98
LU-03	Dry Trim/Finger Jointing Baghouse (6)	PM ₁₀ ##	1.27	3.50
LU-FINLUFU	Finished Lumber (4)(5)	VOC (as C)	0.35	1.18
LU-11	Gasoline Tank (4)(6)	VOC###	112.49	2.50
LU-12	Diesel Tank (4)(6)	VOC###	0.35	<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

CO - carbon monoxide

MeOH - methanol CHOH - formaldehyde

- (4) Fugitive emissions are an estimate only. Rates are averaged over kiln cycle time.
- (5) Previously grandfathered but now permitted
- (6) Previously operating under exemption but now permitted
- (7) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit alteration issued on March 28, 2013.

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*	Emission rates are based on and the facilities are limited by the following maximum operating schedule
	and operating parameters:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

<u>Boiler</u>: 120,000 lb/hour of steam production

3,888 lb steam per MBF dried 175 MMBtu/hour of heat input

<u>Lumber Production</u>: 183 thousand nominal board feet (MBF) per charge for any one of the four kilns and 175 MBF per charge for any of the remaining three kilns. 250 MMBF per year for all the four kilns.

- # For demonstrating compliance, emissions from the kilns (EPNs LU-04-FU and LU-05-FU) should be summed.
- ## Emissions based on annual fines throughput of 28,000 tpy.

VOC as species.

Date: March 28, 2013

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