

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 1037 and PSDTX924M3

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)
21A	Boiler Fuel House (5)	PM	0.25	0.24
		PM ₁₀	0.12	0.11
		PM _{2.5}	0.02	0.02
22	Wood-Fired Boiler ESP Stack	VOC (as C)	10.25	28.75
		NO _x	30.75	86.25
		SO ₂	1.70	4.76
		PM	4.02	11.27
		PM ₁₀	3.44	9.66
		PM _{2.5}	3.25	9.10
		CO	405.02	691.92
		HAPs	2.69	7.54
22 (MSS)	Wood-Fired Boiler ESP Stack - MSS	VOC (as C)	0.44	0.09
		NO _x	7.10	1.46
		SO ₂	0.82	0.17
		PM	0.38	0.08
		PM ₁₀	0.38	0.08
		PM _{2.5}	0.38	0.08
		CO	4.10	0.84
		HAPs	0.09	0.02
28	Planer Cyclone Stack	PM	2.47	8.02
		PM ₁₀	2.17	7.05
		PM _{2.5}	2.17	7.05

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91	Small Log Mill Batch Kiln No. 1 Vents	VOC (8)	56.83	192.11
		NO _x	5.20	16.52
		SO ₂	0.21	0.66
		PM	5.07	17.14
		PM ₁₀	4.70	15.91
		PM _{2.5}	2.68	9.07
		CO	8.21	26.06
		HAPs	4.14	13.94
91 (MSS)	Small Log Mill Batch Kiln No. 1 - MSS	VOC	0.01	---
		NO _x	0.21	---
		SO ₂	0.02	---
		PM	0.01	---
		PM ₁₀	0.01	---
		PM _{2.5}	0.01	---
		CO	0.12	---
93	Small Log Mill Continuous Kiln No. 1	VOC (8)	80.15	263.46
		NO _x	9.15	40.08
		SO ₂	0.37	1.61
		PM	7.15	23.50
		PM ₁₀	6.64	21.81
		PM _{2.5}	3.79	12.44
		CO	14.44	63.24
		HAPs	5.92	19.91
93 (MSS)	Small Log Mill Continuous Kiln No. 1 - MSS	VOC	0.01	---
		NO _x	0.21	---
		SO ₂	0.02	---

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		PM	0.01	---
		PM ₁₀	0.01	---
		PM _{2.5}	0.01	---
		CO	0.12	---
91 and 93 MSS	Small Log Kilns MSS	VOC	---	0.01
		NO _x	---	0.08
		SO ₂	---	0.01
		PM	---	<0.01
		PM ₁₀	---	<0.01
		PM _{2.5}	---	<0.01
		CO	---	0.05
101 (7)	Sawmill Dry Kiln No. 1 Vents	VOC (8)	45.52	178.39
		PM	0.56	2.18
		PM ₁₀	0.56	2.18
		PM _{2.5}	0.55	2.17
		HAPs	3.22	12.62
102 (7)	Sawmill Dry Kiln No. 2 Vents	VOC (8)	45.52	178.39
		PM	0.56	2.18
		PM ₁₀	0.56	2.18
		PM _{2.5}	0.55	2.17
		HAPs	3.22	12.62
103 (7)	Sawmill Dry Kiln No. 3 Vents	VOC (8)	45.52	178.39
		PM	0.56	2.18
		PM ₁₀	0.56	2.18
		PM _{2.5}	0.55	2.17
		HAPs	3.22	12.62
104 (7)	Sawmill Dry Kiln No. 4 Vents	VOC (8)	45.52	178.39
		PM	0.56	2.18

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		PM ₁₀	0.56	2.18
		PM _{2.5}	0.55	2.17
		HAPs	3.22	12.62
106	Shavings Truck Loading (5)	PM	0.08	0.05
		PM ₁₀	0.04	0.03
		PM _{2.5}	0.01	<0.01
120	Small Log Mill Debarker (5)	PM	0.08	0.14
		PM ₁₀	0.04	0.08
		PM _{2.5}	0.01	0.03
121	Sawmill Debarker (5)	PM	0.10	0.18
		PM ₁₀	0.06	0.11
		PM _{2.5}	0.02	0.03
122	Boiler Fuel House Loading (5)	PM	0.09	0.12
		PM ₁₀	0.04	0.06
		PM _{2.5}	0.01	0.01
123	Small Log Mill (5)	PM	0.36	0.66
		PM ₁₀	0.13	0.24
		PM _{2.5}	0.04	0.07
124	Sawmill (5)	PM	0.64	0.84
		PM ₁₀	0.23	0.30
		PM _{2.5}	0.07	0.09
130 (7)	Sawmill Dry Kiln No. 5 Vents	VOC (8)	45.52	178.39
		PM	0.56	2.18
		PM ₁₀	0.56	2.18

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		PM _{2.5}	0.55	2.17
		HAPs	3.22	12.62
144	Propane Vaporizers (5)	VOC (as C)	0.01	0.04
		NO _x	0.14	0.62
		SO ₂	0.02	0.07
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		CO	0.08	0.36
147	Ash Handling (5)	PM	0.09	0.21
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.01	0.02
148	Small Log Mill Material Handling (5)	PM	0.21	0.39
		PM ₁₀	0.10	0.18
		PM _{2.5}	0.02	0.03
149	Sawmill Material Handling (5)	PM	1.14	1.69
		PM ₁₀	0.54	0.80
		PM _{2.5}	0.08	0.12

- (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
 - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

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- (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) For determination of compliance, emissions from the five steam-heated Kilns (EPNs 101, 102, 103, 104, and 130) should be summed.
- (8) VOC presented on a Wood Products Protocol No. 1 (WPP1) basis.

Date: March 29, 2022