

Emission Sources - Maximum Allowable Emission Rates

Permit Number 48786

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)
S-03	Fuel House Cyclone Stack	PM	1.54	6.76
		PM ₁₀	1.54	6.76
		PM _{2.5}	0.77	3.38
S-06	Boiler No. 1 (ESP) Stack	VOC (7)	6.27	23.96
		NO _x (8)	23.04	85.17
		SO ₂	4.61	17.62
		PM	19.26	73.65
		PM ₁₀	15.07	57.62
		PM _{2.5}	13.61	52.07
		CO	421.74	1,612.92
		NH ₃	0.01	0.03
		HCHO	0.53	2.01
		HAP	1.41	5.43
RCO/RTO	Regenerative Catalytic/Regenerative Thermal Oxidizer Stack (Veneer Dryers Nos. 1, 2, and 3)	VOC (9)	32.39	110.81
		NO _x	2.77	11.72
		SO ₂	0.02	0.09
		PM	3.16	10.96
		PM ₁₀	3.16	10.96
		PM _{2.5}	3.16	10.96
		CO	7.05	26.01

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		MeOH	0.30	1.02
		Phenol	0.43	1.48
		HAP	1.04	3.59
S-08D-F, S-09D-F, and S-10D-F	Veneer Dryer Nos. 1, 2, and 3 Cooling Zone Stacks	VOC (9)	3.56	12.17
		PM	3.37	11.52
		PM ₁₀	3.37	11.52
		PM _{2.5}	3.37	11.52
		CO	2.69	9.18
		MeOH	0.36	1.21
		Phenol	0.79	2.70
		HAP	1.76	6.03
V-01, V-02, and V-03	Press Nos. 1, 2, and 3 Vents (10)	VOC (9)	26.69	83.00
		PM	0.98	3.05
		PM ₁₀	0.29	0.89
		PM _{2.5}	0.17	0.54
		MeOH	4.33	13.47
		HAP	5.00	15.56
S-11	Sander Baghouse Stack	PM	0.65	2.84
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.14	0.59
		VOC (9)	13.27	41.25
		MeOH	0.55	1.72
		HAP	0.77	2.39
S-12	Dry Waste Baghouse Stack	PM	1.67	7.32
		PM ₁₀	0.54	2.38

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		PM _{2.5}	0.36	1.60
FUG 1	Ring Debarkers (5)	PM	0.24	1.04
		PM ₁₀	0.14	0.60
		PM _{2.5}	0.04	0.20
FUG 4	Log Soaking Vats (5)	VOC (7)	14.00	61.32
		Acetaldehyde	0.25	1.11
		MeOH	0.40	1.74
		HAP	0.65	2.85
FUG 6	Log Processing Saws (5)	PM	0.41	1.79
		PM ₁₀	0.15	0.64
		PM _{2.5}	0.04	0.20
FUG 7	Spray Glue Line (5)(10)	VOC (11)	0.23	0.72
		HAP	0.21	0.65
FUG 8	Shaker Screen (5)	PM	0.05	0.19
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
FUG 10	Briquetter System (5)	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
FUG 12	Sawing Fugitives (5)	VOC (9)	6.64	20.65
		MeOH	0.49	1.52
		HAP	0.56	1.73
FUG 15	Green Material Handling (5)	PM	0.94	2.64
		PM ₁₀	0.44	1.25
		PM _{2.5}	0.07	0.19

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FUG 17	Sawdust Handling (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FUG 18	Veneer Sawing (5)	PM	0.20	0.63
		PM ₁₀	0.07	0.23
		PM _{2.5}	0.02	0.07
FUG 19	Plytrim Chip Bin Drop Point (5)	PM	0.09	0.02
		PM ₁₀	0.04	0.01
		PM _{2.5}	0.01	<0.01
CR-25	Package Boiler Stack (5)	VOC	0.50	2.17
		NO _x	9.00	39.42
		SO ₂	0.05	0.24
		PM	0.68	3.00
		PM ₁₀	0.68	3.00
		PM _{2.5}	0.68	3.00
		CO	7.56	33.11
		HAPs (Total)	0.17	0.74
		Hexane	0.16	0.71
F-01	Glue Lay-Up Line No. 2 (5)	VOC	0.10	0.45
		HAPs	0.09	0.41
V-04	Robotic Stencil Operation (5)	VOC (11)	0.20	0.62
		PM	<0.01	0.02
		PM ₁₀	<0.01	0.02
		PM _{2.5}	<0.01	0.02
		Exempt Solvents	1.10	3.43

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- (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
NH ₃	-	ammonia
HCHO	-	formaldehyde
MeOH	-	methanol
- (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 April 12, 2013.
- (7) VOC emissions presented on as carbon basis.
- (8) NO_x short-term compliance demonstration on 3-hour averaging basis.
- (9) VOC emissions presented on a WPP1/propane basis.
- (10) Emissions from the presses and glue line are also emitted from the North and South Wall Fans in the main production building; therefore, to avoid double-counting, all emissions are reported at EPNs V-01/V-02/V-03 and FUG 7, respectively.
- (11) VOC emissions presented on as species basis.

Date: _____ Draft