

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 24679

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)
EPN-01	Heat Energy System Dryer RTO Stack (Combined Emissions From Thermal Oil Heater Multiclone, 2 Dryers, 1 ESP, and 2 RTOs)	VOC*	21.41	79.82
		NO _x	43.59	190.94
		SO ₂	8.75	38.33
		PM	19.32	84.60
		PM ₁₀	19.32	84.60
		CO	47.70	208.93
STARTUP 1	Wood Furnace 1 Startup Emissions (Wood-Fired Furnace 1, 1 Thermal Oil Heater, and Thermal Oil Heater Multiclone)	VOC*	10.70	0.11
		NO _x	21.80	0.22
		SO ₂	4.38	0.04
		PM	25.00	0.25
		PM ₁₀	25.00	0.25
		CO	23.85	0.24
STARTUP 2	Wood Furnace 2 Startup Emissions (Wood-Fired Furnace 2, 1 Thermal Oil Heater, and Thermal Oil Heater Multiclone)	VOC*	10.70	0.11
		NO _x	21.80	0.22
		SO ₂	4.38	0.04
		PM	25.00	0.25
		PM ₁₀	25.00	0.25
		CO	23.85	0.24

EPN-02	Mat Reject System Baghouse, and Blend and	VOC*	8.54	31.85
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		PM	2.04	8.92
		PM ₁₀	2.04	8.92
EPN-03	Press RTO Stack	VOC*	8.02	29.89
		NO _x	14.59	54.39
		SO ₂	0.01	0.04
		PM	3.22	12.01
		CO	7.48	32.78
		PM ₁₀	3.22	12.01
EPN-04	Tongue and Grove Finishing Baghouse and Former/Primary Finish System Baghouse (Common) Stack	VOC*	2.00	8.76
		PM	2.08	9.12
		PM ₁₀	2.08	9.12
EPN-05	Resin Tank Vents	VOC	0.48	0.04
EPN-06	Commercial Heat Transfer Oil Storage Tank	VOC	0.01	<0.01
EPN-09	Log Debarking (5)	PM	0.28	0.98
		PM ₁₀	0.08	0.30
EPN-10	Wet Fuel Handling (5)	PM	0.12	0.30
		PM ₁₀	0.06	0.14
EPN-11	Hogged Fuel Export (5)	PM	0.04	0.03
		PM ₁₀	0.02	0.01
EPN-13	General Plant Fugitives (5)	VOC*	0.45	1.24
		PM	2.31	9.25
		PM ₁₀	1.31	4.87
EPN-14	Diesel Storage Tanks	VOC	1.36	<0.01
EPN-15	Wax Tanks (2 Each)	VOC	0.10	0.44
EPN-17	Fuel Storage Area	PM	0.14	0.24

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		PM ₁₀	0.07	0.11
EPN-18	Ash Handling (5)	PM	0.02	0.10
		PM ₁₀	0.01	0.05
EPN-19	Gasoline Tank	VOC	17.06	0.30
EPN-22	Emergency Generator (Diesel) Stack	VOC	1.48	0.22
		NO _x	18.60	2.79
		SO ₂	1.23	0.18
		PM	1.32	0.20
		PM ₁₀	1.32	0.20
		CO	4.01	0.60
EPN-23	Fire Water Pump (Diesel) Stack	VOC	0.74	0.11
		NO _x	9.30	1.40
		SO ₂	0.62	0.09
		PM	0.66	0.10
		PM ₁₀	0.66	0.10
		CO	2.00	0.30
ALI	Sitewide Emissions	VOC*	--	153.00
		NO _x	--	248.00
		SO ₂	--	38.72
		PM	--	146.62
		PM ₁₀	--	124.89
		CO	--	242.00
		HCHO	--	8.94
		Phenol	--	2.10
		Methanol	--	9.69

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		Acetaldehyde	--	1.68
		Propionaldehyde	--	0.69
		Acrolein	--	0.69
		Total HAP	--	24.06

- (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
HCHO - formaldehyde
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
- (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 amendment issued on October 3, 2014.

* VOC emissions also include HAPs.

Date: October 8, 2014