

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	
			lbs/hour	TPY (4)
EPN-01	Heat Energy System Stack (Combined Emissions From 2 RTOs)	VOC	--	--
		NO _x	--	--
		SO ₂	--	--
		PM	--	--
		PM ₁₀	--	--
		CO	--	--
		HCHO*	0.76	3.33
		C ₆ H ₅ OH*(6)	0.8	3.50
		Total HAP	--	6.83
STARTUP 1 and STARTUP 2	Heat Energy System Startup (Each One Separately)	VOC	10.70	0.11
		NO _x	32.00	0.32
		SO ₂	4.38	0.04
		PM	25.00	0.25
		CO	23.90	0.24
		HCHO*	1.00	0.01
		Total HAP	--	0.01
EPN-02	Mat Reject, Blend, and Screen Baghouse Stack	VOC	--	--
		PM	--	--
		PM ₁₀	--	--
		HCHO*	1.00	4.38

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		C ₆ H ₅ OH*(6)	1.01	4.43
		Total HAP	--	8.81
EPN-03	Press RTO Stack	VOC	--	--
		NO _x	--	--
		SO ₂	--	--
		PM	--	--
		PM ₁₀	--	
		HCHO*	0.09	0.41
		C ₆ H ₅ OH*(6)	0.38	1.69
		Total HAP	--	2.10
EPN-04	Sander and Former Baghouse Stack	VOC	--	--
		PM	--	--
		PM ₁₀	--	--
		HCHO*	0.15	0.66
		C ₆ H ₅ OH*(6)	1.08	4.72
		Total HAP	--	5.38
EPN-05	Resin Tank Vents	VOC	--	--
		PM	--	--
		PM ₁₀	--	--
		HCHO*	<0.01	<0.01
		C ₆ H ₅ OH*(6)	0.01	0.04
		Total HAP	--	0.04
EPN-06	Commercial Heat Transfer Oil Storage Tank	VOC	--	--
EPN-09	Log Debarking (5)	PM	--	--

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		PM ₁₀	--	--
EPN-10	Wet Fuel Handling (5)	PM	--	--
		PM ₁₀	--	--
EPN-11	Hogged Fuel Export (5)	PM	--	--
		PM ₁₀	--	---
EPN 12	Road Dust (5)	PM	--	
		PM ₁₀	--	--
EPN-13	General Plant Fugitives (5)	VOC	--	--
		PM	--	--
		PM ₁₀	--	--
		HCHO*	0.04	0.16
		C ₆ H ₅ OH*(6)	0.17	0.73
		Total HAP	--	0.89
EPN-14	Diesel Storage Tanks	VOC	--	--
EPN-15	Wax Tanks (2 Each)	VOC	--	--
EPN-17	Fuel Storage Area	VOC	--	--
EPN-18	Ash Handling (5)	PM	--	--
		PM ₁₀	--	--
EPN-19	Gasoline Tank	VOC	--	--
EPN-22	Emergency Generator (Diesel)	VOC	--	--
EPN-22	Emergency Fire Pump (Diesel)	VOC	--	--
ALI	Sitewide Emissions	VOC	59.40	153.00
		NO _x	78.70	248.00
		SO ₂	8.76	38.40

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		PM	40.00	146.00
		PM ₁₀	30.20	124.00
		CO	55.20	242.00
		HCHO*	--	8.94
		C ₆ H ₅ OH*(6)	--	15.12
		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
- C₆H₅OH - phenol
- 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) Includes other HAPs (9.96 tpy of Methanol; 1.68 tpy of Acetaldehyde; 0.69 tpy of Propionaldehyde; and 0.69 tpy of Acrolein).

* Also counted as total VOC

Date: May 12, 2011