

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9958/PSDTX766M1

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 (4)
01	Nos. 1 and 2 Konus Oil Heaters EFB Stack (2 Konus Oil Heaters and 2 Multiclones)	VOC	3.80	16.60
		NO _x	9.50	41.60
		SO ₂	0.80	3.50
		PM	6.60	28.90
		PM ₁₀	6.60	28.90
		CO	19.00	83.20
03	Trim Saw Baghouse Stack (Blenders, Forming Line, Trim Saw)	VOC	9.50	37.00
		PM	4.50	19.50
		PM ₁₀ *	4.50	19.50
		HCHO**	0.05	0.20
		MeOH**	0.48	1.87
04	T & G Sanders Baghouse Stack (Sanders and T & G Machine)	VOC	1.60	6.10
		PM	1.70	7.30
		PM ₁₀ *	1.70	7.30
		HCHO**	0.03	0.11
		MeOH**	0.16	0.63
05	Dry Fuel Baghouse Stack (Hammermill, Dry Fuel Bin)	VOC	6.50	25.20
		PM	0.11	0.49
		PM ₁₀ *	0.11	0.49
		HCHO**	0.01	0.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		MeOH**	0.04	0.15
10	Wood Yard Fugitives (5)	PM	0.14	0.67
		PM ₁₀	0.12	0.28
15	Konus Ash (5)	PM	0.30	1.10
		PM ₁₀	0.30	1.10
17	Fines Baghouse Stack (Screening and Conveyors)	PM	0.20	0.89
		PM ₁₀	0.20	0.89
		PM _{2.5}	0.20	0.89
18	EFB Auxiliary Baghouse Stack (EFB)	PM	0.10	0.30
		PM ₁₀	0.10	0.30
19	Press RTO/RCO Stack	VOC	6.70	26.10
		NO _x	9.30	40.70
		SO ₂	0.30	1.30
		PM	6.60	25.80
		PM ₁₀	5.60	21.60
		CO	5.50	24.10
		HCHO**	1.20	4.65
		MeOH**	0.70	2.72
		CH ₃ CHO**	0.05	0.19
		C ₆ H ₅ OH**(6)	0.70	0.57
20A and 20B	RTOs Bypass Stack	VOC	66.10	7.70
		PM	6.50	0.80
		PM ₁₀	5.40	0.60
		HCHO**	3.03	0.35

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		MeOH**	7.01	0.92
		CH ₃ CHO**	0.50	0.06
		C ₆ H ₅ OH**(6)	1.46	0.17
21	Dryer Nos. 1, 2, and 3 RTO Stack (3 Dryers, 3 Cyclones, and 1 WESP)	VOC	31.87	123.70
		NO _x	36.90	161.60
		SO ₂	4.90	21.40
		PM	19.50	75.70
		PM ₁₀	19.50	75.70
		CO	32.40	141.90
		HCHO**	0.83	3.20
		MeOH**	0.68	2.65
		CH ₃ CHO**	0.66	2.56
		C ₆ H ₅ OH**(6)	1.00	3.86
22	Emergency Generator (Diesel) Stack	VOC	1.06	0.16
		NO _x	13.30	2.00
		SO ₂	0.88	0.13
		PM	0.95	0.14
		PM ₁₀	0.95	0.14
		CO	2.87	0.43
		HCHO**	<0.01	<0.01
		CH ₃ CHO**	<0.01	<0.01
		C ₆ H ₅ OH**(6)	<0/01	<0.01
23	Emergency Fire Pump (Diesel) Stack	VOC	0.42	0.06
		NO _x	5.27	0.79

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		SO ₂	0.35	0.05
		PM	0.37	0.06
		PM ₁₀	0.37	0.06
		CO	1.14	0.17
		HCHO**	<0.01	<0.01
		CH ₃ CHO**	<0.01	<0.01
		C ₆ H ₅ OH**(6)	<0.01	<0.01
24	Edge Seal/Stenciling	VOC	0.60	3.00
All	Sitewide HAPs	HCHO**	--	8.56
		MeOH**	--	8.94
		C ₆ H ₅ OH**(6)	--	4.61
		CH ₃ CHO**	--	2.82
		Total HAP	--	24.93

- (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
MeOH - methanol
C₆H₅OH - phenol
CH₃CHO - aceteldehyde
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

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(7) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit amendment issued on September 24, 2014

* Also counted as wood dust

** Also counted as total VOC

Dated: September 24, 2014