

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 19695 and PSDTX882

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)
RTO1 and RTO2	Dryer RTO Nos. 1 and 2 Stack (Combined) (5 Dryers, 5 Cyclones and 1 WESP)	VOC	18.56	57.95
		NO _x	59.58	186.07
		SO ₂	2.72	11.91
		PM	5.30	16.54
		PM ₁₀ (6)	5.30	16.54
		PM _{2.5} (6)	5.30	16.54
		CO	282.47	882.16
		HCHO	2.04	6.37
		MeOH	0.99	3.11
RTO3	Press RTO Stack (Press and 1 Unloader Vent)	VOC	9.02	28.17
		NO _x	23.93	74.73
		SO ₂	0.02	0.10
		PM	9.75	30.45
		PM ₁₀ (6)	9.75	30.45
		PM _{2.5} (6)	9.75	30.45
		CO	52.77	164.79
		HCHO	0.90	2.83
		MeOH	1.77	5.54
		MDI	0.04	0.11
		C ₆ H ₅ OH	0.54	1.69
11	Saw Line Baghouse Stack	VOC	2.80	8.74
		PM	1.25	5.46

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀ (6)	1.25	5.46
		PM _{2.5} (6)	1.25	5.46
12	Fuel Metering Bin Baghouse Stack	VOC	4.01	12.53
		PM	0.40	1.75
		PM ₁₀ (6)	0.40	1.75
		PM _{2.5} (6)	0.40	1.75
14	Raw Fuel Bin Baghouse Stack	VOC	6.84	21.38
		PM	0.62	2.70
		PM ₁₀ (6)	0.62	2.70
		PM _{2.5} (6)	0.62	2.70
15	Sanderdust Receiving Bin Baghouse Stack	VOC	0.03	0.09
		PM	0.03	0.13
		PM ₁₀ (6)	0.03	0.13
		PM _{2.5} (6)	0.03	0.13
16	Material Reject Baghouse/Abort Cyclone Stack	VOC	5.91	18.47
		PM	1.23	5.37
		PM ₁₀ (6)	1.23	5.37
		PM _{2.5} (6)	1.23	5.37
		HCHO	0.03	0.10
		MDI	<0.01	<0.01
		C ₆ H ₅ OH	0.25	0.79
17	Material Handling System Fugitives (5)	PM	0.92	2.02
		PM ₁₀ (6)	0.32	0.71
		PM _{2.5} (6)	0.32	0.71
18	MDI Tanks	MDI	<0.01	<0.01
22	Roadways (5)	PM	6.38	13.97
		PM ₁₀	1.25	3.94
23	PF Tanks	HCHO	0.02	<0.01
26	Panel/Vented Soffit	VOC	1.26	3.94

Emission Sources - Maximum Allowable Emission Rates

		PM	1.86	8.17
		PM ₁₀ (6)	1.86	8.17
		PM _{2.5} (6)	1.86	8.17
FWP-1	Fire Water Pump Stack	VOC	0.71	0.04
		NO _x	8.93	0.45
		SO ₂	0.59	0.03
		PM	0.63	0.03
		PM ₁₀	0.63	0.03
		PM _{2.5}	0.63	0.03
		CO	1.92	0.10
F-1	Storage Pile Fugitives (5)	PM	0.15	0.66
		PM ₁₀ (6)	0.15	0.66
		PM _{2.5} (6)	0.15	0.66
TOH-1	Thermal Oil Heater Stack	VOC	0.18	0.80
		NO _x	3.33	14.60
		SO ₂	0.02	0.09
		PM	0.25	1.11
		PM ₁₀	0.25	1.11
		PM _{2.5}	0.25	1.11
		CO	2.80	12.26
COAT-3	Siding Line Paint Booth Fugitives (2 Booths) (5)	VOC	0.13	0.40
		PM	1.35	4.23
		PM ₁₀	0.16	0.51
		PM _{2.5}	0.16	0.51
OVEN	Siding Line Paint Ovens Vents (2 Ovens)	VOC	0.26	0.83
		NO _x	0.31	1.37
		SO ₂	<0.01	0.01
		PM	0.15	0.50
		PM ₁₀	0.04	0.15

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	0.04	0.15
		CO	0.26	1.15
COAT-4 and COAT-5	Panel Siding Paint Booths 1 and 2	VOC (7)	0.92	0.36
		PM (7)	1.86	4.63
		PM ₁₀ (7)	0.14	2.28
		PM _{2.5} (7)	0.14	2.28
COAT-6	Mainline Paint Booth	VOC	2.37	4.97
		PM	1.37	5.90
		PM ₁₀	0.11	0.46
		PM _{2.5}	0.11	0.46

- (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
- HCHO - formaldehyde
- MeOH - methyl alcohol (methanol)
- MDI - methylene diisocyanate
- C₆H₅OH - phenol
- (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) Also counted as wood dust.

(7) Combined emissions for COAT-4 and COAT-5

Date: March 13, 2015