

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9981

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 (4)	
			lbs/hour	TPY (5)
01 and 03 (6)	RTO-1 and RTO-2, PR08 (Press-08), and 2 dryers	VOC	3.61	10.29
		NO _x (7)	0.16	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.01	---
		PM ₁₀ (7)	0.01	---
		PM _{2.5} (7)	0.01	---
		CO (7)	0.13	---
		NMOC (7)	<0.01	---
01 and 03 (6)	RTO-1 and RTO-2, PR09 (Press-09), 2 dryers, and 1 corona treater	VOC	3.91	8.41
		NO _x (7)	0.26	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.02	---
		PM ₁₀ (7)	0.02	---
		PM _{2.5} (7)	0.02	---
		CO (7)	0.22	---
		NMOC (7)	0.01	---
		Ozone (8)	0.02	0.07
01 and 03 (6)	RTO-1 and RTO-2, PR10 (Press-10), 2 dryers, and 1 corona treater	VOC	3.91	8.41
		NO _x (7)	0.26	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.02	---
		PM ₁₀ (7)	0.02	---
		PM _{2.5} (7)	0.02	---

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01 and 03 (6)	RTO-1 and RTO-2, PR10 (Press-10), 2 dryers, and 1 corona treater	CO (7)	0.22	---
		NMOC (7)	0.01	---
		Ozone (8)	0.02	0.07
01 and 03 (6)	RTO-1 and RTO-2, PR11 (Press-11), 2 dryers, and 1 corona treater	VOC	3.91	8.41
		NO _x (7)	0.26	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.02	---
		PM ₁₀ (7)	0.02	---
		PM _{2.5} (7)	0.02	---
		CO (7)	0.22	---
		NMOC (7)	0.01	---
		Ozone (8)	0.02	0.07
01 and 03 (6)	RTO-1 and RTO-2, L01 (Solvent Adhesive Laminator-01), 1 dryer, and 2 corona treaters	VOC	3.29	6.90
		NO _x (7)	0.20	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.02	---
		PM ₁₀ (7)	0.02	---
		PM _{2.5} (7)	0.02	---
		CO (7)	0.17	---
		NMOC (7)	0.01	---
		Ozone (8)	0.03	0.14
01 and 03 (6)	RTO-1 and RTO-2, EL33 (Extruder Laminator 33) and 1 dryer	VOC	0.54	1.66
		NO _x (7)	0.32	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.02	---

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01 and 03 (6)	RTO-1 and RTO-2, EL33 (Extruder Laminator 33) and 1 dryer	PM ₁₀ (7)	0.02	---
		PM _{2.5} (7)	0.02	---
		CO (7)	0.27	---
		NMOC (7)	0.02	---
01 and 03 (6)	RTO-1 and RTO-2, EL35 (Extruder Laminator 35) and 1 dryer	VOC	0.57	0.63
		NO _x (7)	0.30	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.02	---
		PM ₁₀ (7)	0.02	---
		PM _{2.5} (7)	0.02	---
		CO (7)	0.25	---
		NMOC (7)	0.02	---
01 and 03 (6)	RTO-1 and RTO-2, Combined emissions from EL37/39 (Extruder Laminator 37 and 39), 2 dryers, and 4 corona treaters	VOC	9.28	5.66
		NO _x (7)	0.60	---
		SO ₂ (7)	<0.01	---
		PM (7)	0.05	---
		PM ₁₀ (7)	0.05	---
		PM _{2.5} (7)	0.05	---
		CO (7)	0.50	---
		NMOC (7)	0.03	---
		Ozone (8)	0.07	0.29
01 and 03 (6)	PM01 (Photopolymer Platemaker and Wash System)	VOC	0.22	0.83
01 and 03 (6)	PLTWH-01 (Photopolymer Plate Washer)	VOC	<0.01	0.22
01 and 03 (6)	PW01 (Manual Parts Washer-01)	VOC	0.05	0.22
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01 and 03 (6)	PW01 Distillation Unit	VOC	<0.01	0.02
01 and 03 (6)	PW02 (Automatic Parts Washer-02)	VOC	0.40	1.60
01 and 03 (6)	SAL30 (Solventless Adhesive Laminator 30), and 2 corona treaters	VOC	0.25	1.10
		Ozone	0.01	0.05
01 and 03 (6)	Combined emissions from Hazardous Waste Storage Tank (T04), and Contaminated Solvent Storage Tank (T05)	VOC	0.02	<0.01
07	T01, T02, and T03 (Bulk Solvent Storage Tanks 1, 2, and 3)	VOC	30.77	0.62
02	EL33A (15% uncaptured emissions from Extruder Laminator 33)	VOC	6.37	19.53
04	EL33 (Extruder Laminator 33) 3 corona treaters	Ozone (8)	0.55	2.40
05	EL35 (Extruder Laminator 35) 1 corona treater	Ozone (8)	0.37	1.60
01 and 03 (6)	RTO-1 and RTO-2 Solvent Cap (products of combustion of solvents routed to RTO-1 and RTO-2)	NO _x	3.12	5.62
		PM	0.08	0.12
		PM ₁₀	0.08	0.12
		PM _{2.5}	0.08	0.12
		CO	0.86	1.56

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
01	RTO-1 (products of combustion of natural gas fuel used by RTO-1)	NO _x	2.10	---
		SO ₂	0.01	---
		PM	0.16	---
		PM ₁₀	0.16	---
		PM _{2.5}	0.16	---
		CO	1.76	---
		NMOC	0.12	---
03	RTO-2 (products of combustion of natural gas fuel used by RTO-2)	NO _x	1.47	---
		SO ₂	<0.01	---
		PM	0.11	---
		PM ₁₀	0.11	---
		PM _{2.5}	0.11	---
		CO	1.23	---
		NMOC	0.08	---
Site Wide	Site Wide Cap - Products of Combustion of Natural Gas	NO _x	---	15.00
		SO ₂	---	0.09
		PM	---	1.14
		PM ₁₀	---	1.14
		PM _{2.5}	---	1.14
		CO	---	12.60
		NMOC	---	0.83
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAPs	---	<25.00

(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

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NMOC - non methane organic compounds

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}

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

(4) Allowable emissions for all sources include emissions from maintenance, startup and shutdown

(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period

(6) Total combined emissions from RTO 1 and RTO 2

(7) Products of combustion from natural gas-fired dryers

(8) Ozone emissions from corona treaters

Date: January 18, 2017