

# 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	PR02 (Press – 02)	VOC	7.49	22.95
		NO <sub>x</sub> (6)	0.29	1.29
		CO (6)	0.25	1.08
		SO <sub>2</sub> (6)	<0.01	0.01
		PM (6)	0.02	0.10
		PM <sub>10</sub> (6)	0.02	0.10
		PM <sub>2.5</sub> (6)	0.02	0.10
		NMOC (6)	0.02	0.07
01	PR03 (Press – 03)	VOC	8.48	26.00
		NO <sub>x</sub> (6)	0.55	2.40
		CO (6)	0.46	2.02
		SO <sub>2</sub> (6)	<0.01	0.01
		PM (6)	0.04	0.18
		PM <sub>10</sub> (6)	0.04	0.18
		PM <sub>2.5</sub> (6)	0.04	0.18
		NMOC (6)	0.03	0.13
01	PR04 (Press – 04)	VOC	8.48	26.00
		NO <sub>x</sub> (6)	0.47	2.06
		CO (6)	0.40	1.73
		SO <sub>2</sub> (6)	<0.01	0.01
		PM (6)	0.04	0.16
		PM <sub>10</sub> (6)	0.04	0.16
		PM <sub>2.5</sub> (6)	0.04	0.16
		NMOC (6)	0.03	0.11
01	PR05 (Press – 05)	VOC	7.55	23.15
		NO <sub>x</sub> (6)	0.60	2.62

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01	PR05 (Press – 05)	CO (6)	0.50	2.20
		SO <sub>2</sub> (6)	<0.01	0.02
		PM (6)	0.05	0.20
		PM <sub>10</sub> (6)	0.05	0.20
		PM <sub>2.5</sub> (6)	0.05	0.20
		NMOC (6)	0.03	0.14
01	PR06 (Press – 06)	VOC	7.22	20.58
		NO <sub>x</sub> (6)	0.16	0.69
		CO (6)	0.13	0.58
		SO <sub>2</sub> (6)	<0.01	<0.01
		PM (6)	0.01	0.05
		PM <sub>10</sub> (6)	0.01	0.05
		PM <sub>2.5</sub> (6)	0.01	0.05
		NMOC (6)	0.01	0.04
01	PR08 (Press – 08)	VOC	7.22	20.58
		NO <sub>x</sub> (6)	0.16	0.69
		CO (6)	0.13	0.58
		SO <sub>2</sub> (6)	<0.01	<0.01
		PM (6)	0.01	0.05
		PM <sub>10</sub> (6)	0.01	0.05
		PM <sub>2.5</sub> (6)	0.01	0.05
		NMOC (6)	0.01	0.04
01	L32 (Laminator–32/21)	VOC	4.47	13.70
		NO <sub>x</sub> (6)	0.27	1.20
		CO (6)	0.23	1.01
		SO <sub>2</sub> (6)	<0.01	0.01
		PM (6)	0.02	0.09
		PM <sub>10</sub> (6)	0.02	0.09
		PM <sub>2.5</sub> (6)	0.02	0.09
		NMOC (6)	0.02	0.07
01	EL33 (Extruder Laminator 33/35 - RTO)	VOC	1.08	3.32
		NO <sub>x</sub> (6)	0.31	1.37
		CO (6)	0.26	1.15

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		SO <sub>2</sub> (6)	<0.01	0.01
		PM (6)	0.02	0.11
		PM <sub>10</sub> (6)	0.02	0.11
		PM <sub>2.5</sub> (6)	0.02	0.11
		NMOC (6)	0.02	0.08
01	EL33B (Extruder Laminator 33/35 General Cleaning - RTO)	VOC	0.02	0.10
01	PW01 (Parts Washer – 01)	VOC	0.10	0.44
01	PW01 (Parts Washer – 01 Distillation Unit)	VOC	<0.01	0.04
01	PW02 (Parts Washer – 02)	VOC	0.65	2.83
01	VOCROOM (general cleaning - press and ink departments)	VOC	0.58	2.53
01	SAL30 (Solventless Adhesive Laminator)	VOC	0.50	2.19
		Ozone (from corona treater)	0.04	0.19
01	HW-Tank 5 (one hazardous waste storage tank)	VOC	<0.01	<0.01
01	RTO (products of combustion of process solvents routed to RTO for control)	NO <sub>x</sub>	3.24	9.4
		CO	1.87	0.49
		PM	0.18	0.51
		PM <sub>10</sub>	0.18	0.51
		PM <sub>2.5</sub>	0.18	0.51
01	RTO (products of combustion of natural gas fuel for RTO)	NO <sub>x</sub>	2.35	0.93
		CO	1.98	0.78
		SO <sub>2</sub>	0.01	0.01
		PM	0.18	0.07
		PM <sub>10</sub>	0.18	0.07
		PM <sub>2.5</sub>	0.18	0.07

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		NMOC	0.13	0.05
01	RTO Annual Emission Totals (PR02, PR03, PR04, PR05, PR06, PR08, L32, EL33, EL33B, PW01, PW01 distill unit, PW02, VOCROOM, SAL30, HWTank5, RTO-solvents, RTO-natural gas)	VOC	---	164.42
		NO <sub>x</sub>	---	22.65
		CO	---	11.62
		SO <sub>2</sub>	---	0.10
		PM	---	1.52
		PM <sub>10</sub>	---	1.52
		PM <sub>2.5</sub>	---	1.52
		NMOC	---	0.73
02	EL33A (Extruder Laminator 33/35 - Fugitives)	VOC	6.37	19.53
	EL33C (Extruder Laminator 33/35 General Cleaning – Fugitives)	VOC	0.13	0.57
	Space Heaters (products of combustion of natural gas fuel for space heaters)	NO <sub>x</sub>	0.04	0.17
		CO	0.03	0.14
		SO <sub>2</sub>	<0.01	<0.01
		PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	0.01
		NMOC	<0.01	0.01
07	Bulk Solvent Storage Tanks (1, 2, 3 and 4) Fugitives	VOC	7.09	0.73
	Sitewide Cap	Single HAP	---	<10.00
		Combined HAP's	---	<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

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

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- PM<sub>2.5</sub> - 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
- NMOC - non methane organic compounds

(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) Products of combustion of natural gas fuel

Date: February 12, 2014