

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 91517

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 (8)	
			lbs/hour	TPY (4)
13-1	Paint Booth No. 1 (6)	VOC	43.43	
		Exempt Solvent	18.24	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	
		NH <sub>4</sub> OH	1.20	
		Pb	0.12	
13-2	Paint Booth No. 2 (6)	VOC	43.43	
		Exempt Solvent	18.24	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	
		NH <sub>4</sub> OH	1.20	
		Pb	0.12	
13-4	Paint Booth No. 4 (6)	VOC	31.37	
		Exempt Solvent	15.01	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	
		NH <sub>4</sub> OH	1.20	
		Pb	0.09	
13-5	Paint Booth No. 5 (6)	VOC	31.37	
		Exempt Solvent	15.01	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	
		NH <sub>4</sub> OH	1.20	
		Pb	0.09	

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13-1, 13-2, 13-4, and 13-5	Paint Booth Nos. 1, 2, 4, and 5 (6)	VOC		18.80
		Exempt Solvent		9.30
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>		<0.01
		NH <sub>4</sub> OH		0.05
		Pb		0.02
13-3	Paint Booth No. 3 (6)	VOC	8.60	
		Exempt Solvent	9.41	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	
		NH <sub>4</sub> OH	1.20	
		Pb	0.01	
13-6	Paint Booth No. 6 (6)	VOC	8.60	
		Exempt Solvent	9.41	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	
		NH <sub>4</sub> OH	1.20	
		Pb	0.01	
13-3 and 13-6	Paint Booth Nos. 3 and 6 (6)	VOC		3.01
		Exempt Solvent		1.86
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>		<0.01
		NH <sub>4</sub> OH		0.01
		Pb		<0.01
13-11	Mix Room No. 1	VOC	0.09	
		Exempt Solvent	0.09	
13-12	Mix Room No. 2	VOC	4.05	
		Exempt Solvent	1.73	
13-11 and 13-12	Mix Room Nos. 1 and 2	VOC		0.40

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		Exempt Solvent		1.41
13-51	Paint Booth No. 1 Natural Gas-Fired Air Makeup Unit (2.359 MMBtu/hr)	VOC	0.01	0.06
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.08
		NO <sub>x</sub>	0.23	1.01
		SO <sub>2</sub>	<0.01	0.01
		CO	0.19	0.85
13-52	Paint Booth No. 2 Natural Gas-Fired Air Makeup Unit (2.359 MMBtu/hr)	VOC	0.01	0.06
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.08
		NO <sub>x</sub>	0.23	1.01
		SO <sub>2</sub>	<0.01	0.01
		CO	0.19	0.85
13-53	Paint Booth No. 3 Natural Gas-Fired Air Makeup Unit (0.359 MMBtu/hr)	VOC	<0.01	0.01
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	0.01
		NO <sub>x</sub>	0.04	0.17
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.03	0.14

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13-54	Paint Booth No. 4 Natural Gas-Fired Air Makeup Unit (2.359 MMBtu/hr)	VOC	0.01	0.06
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.08
		NO <sub>x</sub>	0.23	1.01
		SO <sub>2</sub>	<0.01	0.01
		CO	0.19	0.85
13-55	Paint Booth No. 5 Natural Gas-Fired Air Makeup Unit (2.359 MMBtu/hr)	VOC	0.01	0.06
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.08
		NO <sub>x</sub>	0.23	1.01
		SO <sub>2</sub>	<0.01	0.01
		CO	0.19	0.85
13-56	Paint Booth No. 6 Natural Gas-Fired Air Makeup Unit (0.359 MMBtu/hr)	VOC	<0.01	0.01
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	0.01
		NO <sub>x</sub>	0.04	0.17
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.03	0.14
13-21 and 13-22	Paint Booth No. 2 Natural Gas-Fired Humidifiers (1.2 MMBtu/hr each)	VOC	0.01	0.06
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.08
		NO <sub>x</sub>	0.24	1.03
		SO <sub>2</sub>	<0.01	0.01
		CO	0.20	0.87

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13-23 and 13-24	Paint Booth No. 1 Natural Gas-Fired Humidifiers (1.2 MMBtu/hr each)	VOC	0.01	0.06
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.08
		NO <sub>x</sub>	0.24	1.03
		SO <sub>2</sub>	<0.01	0.01
		CO	0.20	0.87
13-25	Paint Booth No. 3 Natural Gas-Fired Humidifier (0.4 MMBtu/hr)	VOC	<0.01	0.01
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	0.01
		NO <sub>x</sub>	0.04	0.17
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.03	0.14
1F	Building No. 1 Fugitives	VOC	6.17	2.09
		Exempt Solvent	4.54	2.07
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.03	<0.01
5F	Building No. 5 Fugitives (5)	VOC	53.53	
		Exempt Solvent	6.61	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	
5-1	Curing Oven (5)	VOC	53.53	
		Exempt Solvent	6.61	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	
5F and 5-1	Building No. 5 Fugitives and Curing Oven	VOC		10.25
		Exempt Solvent		7.97
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>		0.03

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11F	Building No. 11 Fugitives	VOC	0.19	<0.01
		Exempt Solvent	0.11	<0.01
12F	Building No. 12 Fugitives	VOC	1.13	0.02
		Exempt Solvent	1.24	0.02
15F	Building No. 15 Fugitives	VOC	0.82	0.37
		Exempt Solvent	1.24	0.64
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
7F	Building No. 7 Fugitives	VOC	0.82	0.17
		Exempt Solvent	1.24	0.09
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
14F	Building No. 14 Fugitives	VOC	2.26	4.50
		Exempt Solvent	29.51	7.63
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.03	<0.01
8F	Building No. 8 Fugitives	VOC	0.41	0.08
13F	Building No. 13 Fugitives	VOC	6.78	0.68
		Exempt Solvent	3.72	0.18
		PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.86	0.06
13-81	Minimizer Vent (6)(7)	VOC	4.05	0.31
		Exempt Solvent	1.09	0.08
13-82	Gun Cleaner (6)	VOC	1.29	0.89
		Exempt Solvent	1.76	1.32
All Emission Points at the Site	All Sources at the Site	Individual HAP		<10.00
		All HAPs		<25.00

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- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 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>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - NH<sub>4</sub>OH - ammonium hydroxide
  - Pb - lead
  - 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) Emissions from Building 5 can be emitted either from EPN 5F or EPN 5-1.
- (6) Emissions from maintenance, startup, and shutdown are included.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (8) The allowable emission rates include planned maintenance, startup, and shutdown activities but do not include emissions from facilities that are authorized under a permit by rule by 30 TAC Chapter 106 or as de minimis by 30 TAC § 116.119.

Date: March 27, 2013