

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 18514

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)
Blade Paint Shop – Building 2:				
K-1	Blade Paint Shop Paint Booths and Wipe Solvent (6)	VOC	30.01	12.75
		Exempt Solvent	23.20	7.08
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
K-1	1.675 MMBtu/hr Natural Gas-Fired Air Makeup Unit North	NO <sub>x</sub>	0.17	0.17
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.02	0.02
		CO	0.14	0.14
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
K-1	1.675 MMBtu/hr Natural Gas-Fired Air Makeup Unit South	NO <sub>x</sub>	0.17	0.17
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.02	0.02
		CO	0.14	0.14
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01

## Emission Sources - Maximum Allowable Emission Rates

K-1	1.232 MMBtu/hr Replacement Natural Gas-Fired Drying Oven (North)	NO <sub>x</sub>	0.12	0.37
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.01	0.04
		CO	0.10	0.31
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
K-1	1.232 MMBtu/hr Replacement Natural Gas-Fired Drying Oven (South)	NO <sub>x</sub>	0.12	0.37
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.01	0.04
		CO	0.10	0.31
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
K-1	Blade Curing Oven 1.232 MMBtu/hr Natural Gas-Fired Curing Oven	NO <sub>x</sub>	0.12	0.37
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.01	0.04
		CO	0.10	0.31
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

10	Rotor Touchup Booths (6)	VOC	15.00	3.18
		Exempt Solvent	13.20	1.27
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Pb	<0.01	<0.01
BLDG2FUG	Adhesive Prime Painting, Adhesive/ Sealant, Mold Release, and Wipe Solvent Fugitives (6)	VOC	16.81	3.98
		Exempt Solvent	14.24	3.47
Helicopter Paint Shop – Building 30:				
23-2(A1-C2) and 23-3(A1-C2)	Helicopter Spray Booths No. 2 and No. 3, and Associated Natural Gas-Fired Air Makeup Units (6)	VOC	34.50	17.05
		Exempt Solvent	15.00	5.17
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Pb	<0.01	<0.01
		NO <sub>x</sub>	0.60	0.60
		SO <sub>2</sub>	0.04	0.04
		TOC	0.07	0.07
		CO	0.50	0.50
		PM (5)	0.05	0.05
		PM <sub>10</sub> (5)	0.05	0.05
		PM <sub>2.5</sub> (5)	0.05	0.05
Paint Mixing and Subassembly Painting – Building 30:				
26	Subassembly Paint Booth (6)	VOC	12.20	2.33
		Exempt Solvent	5.31	0.71

Emission Sources - Maximum Allowable Emission Rates

		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Pb	<0.01	<0.01
97-010, 97-011, and 97-012	Paint Mix Room (6)	VOC	3.32	0.66
		Exempt Solvent	1.14	0.10
BLDG30AMU2	6.86 MMBtu/hr Natural Gas-Fired Air Makeup Unit	NO <sub>x</sub>	2.06	3.01
		SO <sub>2</sub>	<0.01	0.02
		TOC	0.08	0.33
		CO	0.58	2.53
		PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
BLDG30AMU3	6.86 MMBtu/hr Natural Gas-Fired Air Makeup Unit	NO <sub>x</sub>	2.06	3.01
		SO <sub>2</sub>	<0.01	0.02
		TOC	0.08	0.33
		CO	0.58	2.53
		PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
BLDG30FUG	Building 30 Painting, Adhesive/Sealant, and Wipe Solvent Fugitives (6)	VOC	16.85	2.96
		Exempt Solvent	29.75	1.97
Building 36:				
36PNT1	2.0 MMBtu/hr Natural Gas-Fired Air Makeup Unit for Main Booth No. 1	NO <sub>x</sub>	0.20	0.87
		SO <sub>2</sub>	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

		TOC	0.02	0.10
		CO	0.17	0.73
		PM	0.02	0.07
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.02	0.07
36PNT2	2.0 MMBtu/hr Natural Gas-Fired Air Makeup Unit for Main Booth No. 2	NO <sub>x</sub>	0.20	0.87
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.02	0.10
		CO	0.17	0.73
		PM	0.02	0.07
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.02	0.07
36PNT3	Curing/Drying Oven for Main Booth No. 1 (Process Exhaust)	VOC	4.34	1.84
		Exempt Solvent	2.80	1.05
36PNT4	Curing/Drying Oven for Main Booth No. 2 (Process Exhaust)	VOC	4.34	1.84
		Exempt Solvent	2.80	1.05
36PNT5	1.0 MMBtu/hr Natural Gas-Fired Curing Oven No. 1	NO <sub>x</sub>	0.10	0.43
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.01	0.05
		CO	0.08	0.36
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
36PNT6	1.0 MMBtu/hr Natural Gas-Fired Curing Oven No. 2	NO <sub>x</sub>	0.10	0.43
		SO <sub>2</sub>	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

		TOC	0.01	0.05
		CO	0.08	0.36
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
36PNT7	Building 36 Composite Paint Booths (Combined Exhaust From Main Booths Nos. 1 and 2) (6)	VOC	24.70	6.62
		Exempt Solvent	15.01	3.68
		PM	0.10	0.01
		PM <sub>10</sub>	0.10	0.01
		PM <sub>2.5</sub>	0.10	0.01
36PNT8	Building 36 Wing Tip Booth (6)	VOC	2.62	0.71
		Exempt Solvent	1.58	0.39
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
36PNTKIT1	Building 36 Paint Kitchen (6)	VOC	0.05	0.02
		Exempt Solvent	0.01	<0.01
BLDG36FUG	Building 36 Mold Release, Adhesive/Sealant, Priming, Painting, and Wipe Solvent Fugitives (6)	VOC	17.70	2.44
		Exempt Solvent	26.38	3.56
Building 25:				
BLDG25FUG	Building 25 Painting, Equipment Cleanup, and Wipe Solvent Fugitives (6)	VOC	3.70	3.20
		Exempt Solvent	4.10	0.52
Building 15:				
14	Maintenance Paint Booth (6)	VOC	12.14	6.16

Emission Sources - Maximum Allowable Emission Rates

		Exempt Solvent	1.76	0.88
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Pb	<0.01	<0.01
BLDG15FUG	Building 15 Painting Fugitives (6)	VOC	2.21	1.72
		Exempt Solvent	1.66	0.19
Building 21:				
13	Loft/Tooling Spray Booth (6)	VOC	10.95	6.44
		Exempt Solvent	3.22	0.81
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Pb	<0.01	<0.01
BLDG21FUG	Building 21 Painting and Wipe Solvent Fugitives (6)	VOC	4.76	2.70
		Exempt Solvent	7.42	0.57
Building 19:				
19-1	R and D Lab Spray Booth (6)	VOC	9.66	1.41
		Exempt Solvent	5.64	0.40
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Pb	<0.01	<0.01
		NO <sub>x</sub>	0.08	0.08
		SO <sub>2</sub>	<0.01	<0.01

## Emission Sources - Maximum Allowable Emission Rates

		TOC	<0.01	0.01
		CO	0.06	0.06
		PM (5)	<0.01	<0.01
		PM <sub>10</sub> (5)	<0.01	<0.01
		PM <sub>2.5</sub> (5)	<0.01	<0.01
BLDG19FUG	Building 19 Painting, Adhesive/Sealant, and Mold Release Fugitives (6)	VOC	9.49	0.95
		Exempt Solvent	14.06	0.67
Building 27:				
27PB1	Blade Booth (6)	VOC	4.74	6.50
		Exempt Solvent	3.78	5.23
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
27PK1EXH	Paint Kitchen (6)	VOC	0.04	0.01
		Exempt Solvent	0.33	0.05
27OVEN1	Blade Oven No. 1	VOC	2.37	2.50
		Exempt Solvent	1.89	2.62
27OVEN2	Blade Oven No. 2	VOC	2.37	2.50
		Exempt Solvent	1.89	2.62
B27FUG	Building 27 Hand Wipe Cleaning, Paint Gun Cleaning, and Flush Cleaning Fugitives (6)	VOC	7.50	6.00
		Exempt Solvent	6.59	5.27
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01



Emission Sources - Maximum Allowable Emission Rates

27PB2	Flush Clean and Transmission Paint Booth (6)	VOC	7.50	6.59
		Exempt Solvent	6.59	4.39
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
Building 56:				
56ADPB	Adhesive Prime Booth (2 Stacks) and Electric Drying Oven (6)	VOC	6.00	11.96
		Exempt Solvent	6.00	2.12
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01

- (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
  - TOC - total organic compounds from the combustion of natural gas
  - Pb - lead
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Products of combustion.
- (6) The allowable emission rates include planned maintenance, startup, and shutdown activities. It does 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: April 1, 2013