

## 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. 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)	<u>Emission Rates</u>	
			lb/hr	TPY (4)
<u>Blade Paint Shop - Building 2:</u>				
K-1	Blade Paint Shop Paint Booths and Wipe Solvent	VOC	30.01	12.75
		Exempt Solvent	23.20	7.08
		PM	<0.01	<0.01
K-1	1.675 MMBtu/hr 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
K-1	1.675 MMBtu/hr 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
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
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

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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

10	Rotor Touchup Booths	VOC	15.00	3.18
		Exempt Solvent	13.20	1.27
		PM	<0.01	<0.01
		Pb	<0.01	<0.01

BLDG2FUG	Adhesive Prime Painting, Adhesive/Sealant, Mold Release, and Wipe Solvent Fugitives	VOC	16.81	3.98
		Exempt Solvent	14.24	3.47

Helicopter Paint Shop - Building 30:

23-1(A1-C2), 23-2(A1-C2), and 23-3(A1-C2)	Helicopter Spray Booths No. 1, No. 2, No. 3, and Associated Air Makeup Units	VOC	51.75	25.58
		Exempt Solvent	22.50	7.75
		PM	<0.01	<0.01
		Pb	<0.01	<0.01
		NO <sub>x</sub>	0.90	0.90
		SO <sub>2</sub>	0.06	0.06
		TOC	0.10	0.10
		CO	0.75	0.75
		PM (5)	0.07	0.07

Paint Mixing and Subassembly Painting - Building 30:

26	Subassembly Paint Booth	VOC	12.20	2.33
		Exempt Solvent	5.31	0.71
		PM	<0.01	<0.01
		Pb	<0.01	<0.01

97-010, 97-011, and 97-012	Paint Mix Room	VOC	3.32	0.66
		Exempt Solvent	1.14	0.10

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BLDG30MAU1	6.86 MMBtu/hr 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
BLDG30MAU2	6.86 MMBtu/hr 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
BLDG30MAU3	6.86 MMBtu/hr 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
BLDG30FUG	Building 30 Painting, Adhesive/ Sealant, and Wipe Solvent Fugitives	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
		TOC	0.02	0.10
		CO	0.17	0.73
		PM	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
36PNT3	Curing/Drying Oven for Main Booth No. 1 (Process Exhaust)	VOC	4.34	1.84
		Exempt Solvent	2.80	1.05

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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
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
		TOC	0.01	0.05
		CO	0.08	0.36
		PM	0.01	0.03
36PNT7	Building 36 Composite Paint Booths (Combined Exhaust From Main Booth Nos. 1 and 2)	VOC	24.70	6.62
		Exempt Solvent	15.01	3.68
		PM	0.10	0.01
36PNT8	Building 36 Wing Tip Booth	VOC	2.62	0.71
		Exempt Solvent	1.58	0.39
		PM	<0.01	<0.01
36PNTKIT1	Building 36 Paint Kitchen	VOC	0.05	0.02
		Exempt Solvent	0.01	<0.01
BLDG36FUG	Building 36 Mold Release, Adhesive/Sealant, Priming, Painting, and Wipe Solvent Fugitives	VOC	17.70	2.44
		Exempt Solvent	26.38	3.56
<u>Building 25:</u>				
66	Hobby Shop Paint Booth	VOC	10.95	8.69
		Exempt Solvent	3.22	0.81
		PM	<0.01	<0.01
		Pb	<0.01	<0.01
BLDG25FUG	Painting, Equipment Cleanup, and Wipe Solvent Fugitives	VOC	3.70	3.20
		Exempt Solvent	4.10	0.52

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Building 15:

14	Maintenance Paint Booth	VOC	12.14	6.16
		Exempt Solvent	1.76	0.88
		PM	<0.01	<0.01
		Pb	<0.01	<0.01
BLDG15FUG	Building 15 Painting Fugitives	VOC	2.21	1.72
		Exempt Solvent	1.66	0.19

Building 21:

13	Loft/Tooling Spray Booth	VOC	10.95	6.44
		Exempt Solvent	3.22	0.81
		PM	<0.01	<0.01
		Pb	<0.01	<0.01
BLDG21FUG	Building 21 Painting and Wipe Solvent Fugitives	VOC	4.76	2.70
		Exempt Solvent	7.42	0.57

Building 19:

19-1	R and D Lab Spray Booth	VOC	9.66	1.41
		Exempt Solvent	5.64	0.40
		PM	<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
		TOC	<0.01	0.01
		CO	0.06	0.06
		PM (5)	<0.01	<0.01
BLDG19FUG	Building 19 Painting, Adhesive/ Sealant, and Mold Release Fugitives	VOC	9.49	0.95
		Exempt Solvent	14.06	0.67

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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- (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.
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|-------------------|---|
| 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                | - particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> |
| PM <sub>10</sub>  | - particulate matter equal to or less than 10 microns in diameter                                   |
| PM <sub>2.5</sub> | - particulate matter equal to or less than 2.5 microns in diameter                                  |
| TOC               | - total organic compounds from the combustion of natural gas  |
| CO                | - carbon monoxide   |
| Pb                | - lead  |
- (4) Compliance with annual emission limits is based on a rolling 12-month period.
- (5) Products of combustion.

Dated: October 18, 2010