

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18514

This table lists the maximum allowable emission rates for all sources of air contaminants 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*
10	Rotor Touchup Booths	VOC	15.00	3.18
		Non-VOC	13.20	1.27
		PM <0.01	<0.01	
21	Adhesive Prime Paint Booth and Air Makeup Unit	VOC	10.9	12.7
		Non-VOC	1.6	1.0
		PM 0.01	0.01	
		NO _x 0.1	0.01	
		SO ₂ 0.01	0.01	
		TOC 0.01	0.01	
		CO 0.1	0.1	
21A	Small Electric Flash-off Oven	VOC	3.5	3.9
		Non-VOC	0.6	0.3
BLDG 2 FUG	Adhesive Prime Painting, Adhesive/ Sealant and Mold Release Fugitives	VOC	19.03	4.15
		Non-VOC	17.73	3.48
23-1A1, 23-1A2; 23-1B1, 23-1B2; 23-1C1, 23-1C2; 23-2A1, 23-2A2; 23-2B1, 23-2B2; 23-2C1, 23-2C2; 23-3A1, 23-3A2; 23-3B1, 23-3B2; 23-3C1, and 23-3C2	Helicopter Spray Paint Booth No. 1, No. 2, No. 3, and associated Air Makeup Units	VOC	51.8	25.6
		Non-VOC	22.5	7.8
		PM	0.1	0.03
		NO _x	0.9	0.3
		SO ₂	0.01	0.01
		TOC	0.1	0.03
		CO	0.8	0.3
26	Sub Assembly Paint Booth	VOC	12.2	2.4
		Non-VOC	5.4	0.8
		PM 0.01	0.01	
97-010; 97-011, and	Paint Mix Room	VOC	3.4	0.7

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY*
97-012		Non-VOC	1.2	0.1
BLDG 30 FUG	Building 30 Painting and Adhesive/Sealants Fugitives	VOC	15.2	2.0
		Non-VOC	28.7	1.7
BLDG 36 FUG	Priming, Painting and Wipe Solvent Fugitives	VOC	17.7	2.5
		Non-VOC	26.38	3.6
36 PNT1	Spray Booth	VOC	9.25	4.18
		Non-VOC	1.99	1.32
		PM	<0.01	<0.01
36PNTKIT1	Paint Kitchen	VOC	0.05	0.02
		Non-VOC	0.01	<0.01
66	Hobby Shop Paint Booth	VOC	21.9	8.7
		Non-VOC	6.5	0.9
		PM	0.01	0.01
BLDG 25 FUG	Hobby Shop Fugitives	VOC	9.8	3.0
		Non-VOC	3.1	0.3
K1 and K2 ¹	Paint Blade Shop vent through KPR-1 Rotor Wheel and KPR-2 Oxidizer	VOC	11.1	5.6
		Non-VOC	6.3	1.5
		PM	0.01	0.01
K1 ¹	KPR-1 Rotor Wheel Products of Combustion (POC) from Blade Painting Air Makeup Unit	NO _x	0.2	0.5
		SO ₂	0.01	0.01
		TOC	0.02	0.05
		CO	0.2	0.5
		PM	0.01	0.04
K2 ¹	KPR-2 Oxidizer	NO _x	0.3	1.4
		SO ₂	0.01	0.01

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			lb/hr	TPY*
		TOC	0.03	0.2
		CO	0.3	1.1
		PM	0.02	0.1
K1 ²	Blade Paint Shop	VOC	27.01	11.52
		Non-VOC	22.20	6.82
		PM	0.01	0.01
K1 ²	1.675 MMBtu/hr Air Makeup unit (after June 2002)	NO _x	0.17	0.17
		SO ₂	0.01	0.01
		TOC	0.02	0.02
		CO	0.14	0.14
		PM	0.01	0.01
39A and 39B	0.32 MMBtu/hr NG Fired Drying Oven North Unit	NO _x	0.03	0.10
		SO ₂	<0.01	<0.01
		TOC	<0.01	0.01
		CO	0.03	0.08
		PM	<0.01	<0.01
40A and 40B	0.32 MMBtu/hr NG Fired Drying Oven South Unit	NO _x	0.03	0.10
		SO ₂	<0.01	<0.01
		TOC	<0.01	0.01
		CO	0.03	0.08
		PM	<0.01	<0.01
CUREOVEN	Curing Oven Vent	VOC	3.00	1.23
		Non-VOC	1.00	0.26
CUREPOC	Curing Oven Products of Combustion (NG Fired 0.4 MMBtu/Hr)	NO _x	0.40	0.12
		SO ₂	<0.01	0.01
		TOC	<0.01	0.01

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		CO	0.03	0.10
		PM	<0.01	0.01
14	Maintenance Paint Booth	VOC	24.3	6.2
		Non-VOC	3.6	0.9
		PM	0.01	0.01
BLDG 15 FUG	Building 15 Painting Fugitives	VOC	4.5	6.2
		Non-VOC	0.9	0.2
13	Loft/Tooling Spray Booth	VOC	21.9	6.5
		Non-VOC	6.5	0.9
		PM	0.01	0.01
BLDG 21 FUG	Building 21 Painting Fugitives	VOC	5.3	2.5
		Non-VOC	3.1	0.3
19-1	R and D Lab Spray Booth	VOC	9.7	1.5
		Non-VOC	5.7	0.4
		PM	0.01	0.01
		NO _x	0.1	0.1
		SO ₂	0.01	0.01
		TOC	0.01	0.01
		CO	0.1	0.1
BLDG 19 FUG	Building 19 Painting Fugitives	VOC	4.5	0.6
		Non-VOC	2.9	0.2

- (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.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code

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Section 101.1 (30 TAC § 1101.1)

- Non-VOC - carbon compounds excluded in the VOC definition of 30 TAC § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM₁₀.
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- CO - carbon monoxide
- TOC - total organic compounds from the combustion of natural gas.

* Compliance with annual emission limits is based on a rolling 12-month period.

¹ These K1 and K2 emissions will be in effect until a switch to compliant coatings in the Blade paint shop is made to meet the requirements of 30 TAC § 115.421(a)(11) and 40 CFR Part 63, Subpart GG. The switch to compliant coatings shall be made no later than later June 30 2002.

² These K2 emissions will take effect once the switch to compliant coatings is made as mentioned above.

Dated November 30, 2001