

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17901

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 a permit and are the maximum rates allowed for these facilities, other than one provided for by Special Provision No. 6. 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
A-1	Wing A Exhaust	VOC	3.81	7.92
		non-VOC	1.83	3.81
		PM	0.01	0.01
B-1	Wing B Exhaust	VOC	8.72	18.14
		non-VOC	6.94	14.44
		PM	0.01	0.01
B-2	Conformal Coat	VOC	4.26	4.43
C-1	Wing C	VOC	0.06	0.12
		non-VOC	0.49	1.02
CD-1	Chemical Dock	VOC	0.01	0.02
CD-2	Chemical Dock	VOC	0.05	0.10
CD-3	Chemical Dock	NaOH, Reactants	0.01	0.01
		PM	0.01	0.01
CD-4	Chemical Dock	HBF ₄ , HCl, HNO ₃ , H ₂ SO ₄ Acids	0.01	0.01
		H ₂ CrO ₄ , NH ₄ HF ₂ , H ₃ PO ₄ Acids	0.01	0.01
		PM	0.01	0.01
CF-1	Chemical Finish Scrubber	HBF ₄ , HCl, HNO ₃ , H ₂ SO ₄ Acids	1.17	2.43
		H ₂ CrO ₄ , NH ₄ HF ₂ , H ₃ PO ₄ Acids	0.08	0.17

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			lb/hr	TPY
CF-2	Chemical Finish	Reactants CH ₃ COOH, H ₃ BO ₃ , Ni(OOCCH ₃) ₂ , NaOH,	0.47	0.97

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			lb/hr	TPY
CIC-1	Comp. Info. Center	VOC	0.09	0.18
		non-VOC	0.24	0.50
		PM	0.01	0.01
D-1	Wing D Exhaust	VOC	1.68	3.49
		non-VOC	3.03	6.30
		PM	0.01	0.01
F-1	Wing F Exhaust	VOC	3.18	6.62
		non-VOC	2.40	5.00
		PM	0.01	0.01
G-1	Wing G Exhaust	VOC	2.01	4.18
		non-VOC	0.96	2.00
M-1	Wing M Exhaust	VOC	0.02	0.04
		non-VOC	0.24	0.50
PB-1	Paint Booth	VOC	1.29	2.68
		PM	0.10	0.20
R-1	Wing R Exhaust	VOC	0.41	0.86
		non-VOC	1.44	3.00
S-1	Wing S Exhaust	VOC	0.09	0.19
		non-VOC	0.77	1.60
SM-1	Support Modules	VOC	0.07	0.14
U-1	Wing U Exhaust	VOC	9.27	19.29
		PM	0.01	0.01
		HCl, HNO ₃ , H ₂ SO ₄ Acids	0.01	0.01
		C ₁₀ H ₆ Na Reactant	0.01	0.01
V-1	Wings V and W Exhaust	VOC	0.06	0.13
		non-VOC	0.24	0.51

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			lb/hr	TPY		
			PM	0.01	0.01	
			HCl Acids	0.01	0.01	

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WH-1	Warehouse	VOC	0.09	0.19
		non-VOC	1.13	2.34
		PM	0.01	0.01
WH-2	Rotoclone	PM	0.05	0.10
WH-3	Warehouse Fuse Factory	VOC	3.83	7.96
		non-VOC	1.78	3.70
		PM	0.07	0.01
		PM Pb	0.01	0.01
		HCl, HNO ₃ , H ₂ SO ₄ Acids	0.01	0.01
		C ₁₀ H ₆ Na Reactant	0.01	0.01
X-1	Wing X Exhaust	VOC	0.08	0.17
		non-VOC	0.96	2.00
Z-1	Wing Z Exhaust	VOC	2.24	4.66
		non-VOC	2.40	5.00
		PM	0.01	0.01
BO-1 & 2	Boiler Exhaust	VOC	0.13	0.27
		NO _x	1.39	3.04
		SO ₂	0.01	0.03
		CO	0.76	1.66
		PM	0.07	0.15
CUP	Central Utility Plant Generator Exhaust	VOC	1.74	0.03
		NO _x	21.81	0.43
		SO ₂	1.45	0.03
		CO	4.74	0.09
		PM	1.56	0.03

- (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.

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	(3)	VOC - volatile organic compounds as defined in
non-VOC	General Rule 101.1 - compounds specifically excluded from the definition of volatile organic compounds as defined in General Rule 101.1	
PM	- particulate matter	
NO _x	- oxides of nitrogen	
NaOH	- sodium hydroxide	
HBF ₄	- fluoroboric acid or hydrogen tetrafluoroborate	
HCl	- hydrochloric acid	
HNO ₃	- nitric acid	
H ₂ SO ₄	- sulfuric acid	
H ₃ PO ₄	- phosphoric acid	
CH ₃ COOH	- acetic acid	
H ₃ BO ₃	- boric acid	
Ni(OOCCH ₃) ₂	- nickel acetate	
SO ₂	- sulfur dioxide	
CO	- carbon monoxide	
C ₁₀ H ₆ Na	- Sodium Napthalene	

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated_____