

Emission Sources - Maximum Allowable Emission Rates

American Airlines Maintenance Base at Alliance Airport

Permit No. 20131

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.

Emission Point Number (1)	Building/Area Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr(tons/yr)	
07	Maintenance Hangar	VOC	148.28	46.55
		PM	4.29	0.57
		Non-Criteria Pollutants	72.09	7.73
12	Turbine Engine Overhaul	VOC	102.22	21.70
		PM	16.11	8.06
		Non-Criteria Pollutants	69.48	63.32
	Caustic Scrubber	KMnO ₄	0.14	0.63
		Alkalies	0.10	0.44
	Acid Scrubber	Acids	0.02	0.09
11	Warehouse	VOC	1.60	0.17
		Non-Criteria Pollutants	0.20	0.01
02	Fuel Farm	VOC	6.07	7.10
06	Facilities Maintenance	VOC	77.09	10.25
		PM	1.26	0.06
		Non-Criteria Pollutants	38.03	3.94
10	Central Plant	VOC	7.32	2.13
		PM	6.76	4.62
		CO	86.64	68.00
		NO _x	70.40	35.61
		SO ₂	18.88	10.28
		Non-Criteria Pollutants	1.54	1.26
01	Wastewater Treatment	VOC	1.47	5.41
		PM	0.07	0.30
		CO	0.04	0.03
		NO _x	0.20	0.15
		SO _x	0.01	0.01
13	Heat Treat/Blast/ Mtl Spray	VOC	23.56	3.59
		PM	1.17	0.30
		Non-Criteria Pollutants	9.10	11.73

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Continued

Emission Point Number (1)	Building/Area Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr(tons/yr)	
15	Engine Test Cell	VOC	12.85	5.29
		PM	4.54	1.88
		CO	32.64	14.68
		NO _x	841.88	173.07
		SO ₂	17.71	9.12
16	Structures	VOC	85.64	40.00
		PM	3.74	5.81
		Non-Criteria Pollutants	45.67	9.34
14	Plating Shop	PM	0.19	0.80
		Non-Criteria Pollutants	0.07	0.17
09	Components Avionics	VOC	159.71	15.69
		PM	6.89	4.74
		Non-Criteria Pollutants	144.47	91.86
17	Wash Bay	VOC	455.00	6.65
		Non-Criteria Pollutants	6.60	0.02

TOTAL (tons/yr):

164.52 (VOC)	189.38 (Non Criteria Pollutants)
27.14 (PM)	0.63 (KMnO ₄)
82.71 (CO)	0.44 (Alkalies)
208.83 (NO _x)	0.09 (Acids)
19.41 (SO ₂)	

- (1) Emission point identification - either specific building designation or emission point number from plot plan.
 (2) Specific point source or building name. For fugitive sources use area name or fugitive source name.
 (3) PM - particulate
 VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 KMnO₄ - potassium permanganate
 Alkalies - sodium hydroxide
 Acids - nitric acid and sulfuric acid
 Non-Criteria pollutants - all other air contaminants not defined above

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

Hr/day ____ Days/wk ____ Wk/yr ____ Hr/yr 8,760

Revised _____