

Emission Sources - Maximum Allowable Emission Rates
American Airlines Maintenance Base at Alliance Airport
Permit Number 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 Pollutant	72.09	7.73	
12	Turbine Engine Overhaul	VOC	102.19	21.61	
		PM		16.10	8.05
		Non-Criteria Pollutant	69.48	63.32	
	Caustic Scrubber (EPN 02-17)	KMnO ₄		0.14	0.63
		Alkalies	0.10	0.44	
	Acid Scrubber (EPN 02-19)	Acids	0.02	0.09	
11	Warehouse	VOC		1.60	0.17
		Non-Criteria Pollutant	0.20	0.01	
02	Fuel Farm	VOC	6.09	7.48	
06	Facilities Maintenance	VOC	77.09	10.25	
		PM		1.26	0.06
		Non-Criteria Pollutant	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 Pollutant	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 Pollutant	9.10	11.73	
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	79.64	25.59	
		PM		3.44	5.16
		Non-Criteria Pollutant	45.67	9.34	
14	Plating Shop	PM		0.19	0.80
		Non-Criteria Pollutant	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 Pollutant	6.60	0.02	

TOTAL (tons/yr): VOC 150.00, PM 26.48, CO 82.71, NO_x 208.83, SO₂ 19.41, KmnO₄ 0.63, Alkalies 0.44, Acids 0.09, Non Criteria Pollutants 189.38

(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) 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

Acids - Nitric Acid and Sulfuric Acid

Alkalies - Sodium Hydroxide

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

Dated _____