

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. T-17742

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)	Emission Rates *	
			lb/hr	TPY
1	Oven No. 1	PM ₁₀	0.034	0.15
		NO _x	0.44	1.93
		CO	0.37	1.62
		SO ₂	0.003	0.011
		VOC	0.024	0.105
2	Oven No. 2	PM ₁₀	0.011	0.05
		NO _x	0.146	0.64
		CO	0.12	0.54
		SO ₂	0.001	0.004
		VOC	0.008	0.04
5	Paint Booths 4A and 4B	PM ₁₀ (6)	0.0003	0.0013
		VOC (7)	0.34	1.49
6 and 9	Conveyor Oven	PM ₁₀	0.015	0.07
		NO _x	0.20	0.86
		CO	0.16	0.72
		SO ₂	0.001	0.005
		VOC	0.01	0.05
7	Oven No. 6	PM ₁₀	0.018	0.08
		NO _x	0.24	1.07
		CO	0.21	0.90
		SO ₂	0.001	0.006
		VOC	0.013	0.06

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
8	Oven No. 5	PM ₁₀	0.018	0.08
		NO _x	0.23	1.03
		CO	0.20	0.86
		SO ₂	0.001	0.006
		VOC	0.013	0.06
10	Strip Tank	NaOH	<0.001	<0.004
11	ISPA Oven	PM ₁₀	0.06	0.26
		NO _x	0.09	0.37
		CO	0.08	0.33
		SO ₂	0.003	0.01
		VOC	0.027	0.12
12	Rotor Oven	PM ₁₀	0.034	0.15
		NO _x	0.44	1.93
		CO	0.37	1.62
		SO ₂	0.003	0.01
		VOC	0.024	0.11
14	Rotor Blast Room (8)	PM ₁₀	1.54	6.76
15	Metal Spray Booths (5) 1A and 1B	PM ₁₀	0.00007	0.0003
16	Metal Spray Booths (5) 1C and 1D	PM ₁₀	0.00007	0.0003
17	Walk-In Blast Room	PM ₁₀	0.56	2.44
FUG	Building Fugitives (4)	PM ₁₀ (6)	0.00002	<0.0001
		VOC (7)	0.05	0.22

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- (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_{10} - particulate matter (PM) 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.
VOC - volatile organic compounds
 NO_x - nitrogen oxide
CO - carbon monoxide
 SO_2 - sulfur dioxide
NaOH - sodium hydroxide
- (4) Fugitive emissions are an estimate only.
- (5) The PM_{10} may contain chromium, nickel, aluminum, tungsten, copper, zirconium, yttria, molybdenum, titanium, iron, cobalt, and/or other compounds as reflected by the approved metal powder list.
- (6) The PM_{10} may consist of aluminum, chromium, strontium, phosphate, carbon, silicon, and/or titanium.
- (7) The VOC may contain cellosolve acetate, N-methylpyrrolidone, ethyl acetate, polytetrafluorethylene, and/or other compounds as reflected by the Material Safety Data Sheets for the approved paints.
- (8) The PM_{10} emission rate shall not exceed 0.000035 pound per hour when metal spraying is conducted in the rotor blast room. Annual emissions of PM_{10} from metal spraying shall not exceed 0.0006 ton from all sources. (10/99)

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

Maximum Authorized Spray Rate

Metallizing Spray Guns: 9.0 lbs/hr

Paint Spray Guns: 9.9 lbs/hr for all paints/coatings, except Booth 4F Gun may spray fluoropolymer resins at 30.0 lbs/hr when spraying small components inside the booth and 200 lbs/hr when spraying the interior of large vessels with the vessel inside the booth.

Authorized Operating Hours: 24 hrs/day 7 days/wk 52 wks/yr 8,760 hrs/yr

Dated_____