

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18792

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
10	Ongard II Fugitive Collection Baghouse	PM ₁₀	0.20	0.20
18	Sodium Antimonate Process - Baghouse	NaSbO ₃	0.04	0.12
19	Antimony Trichloride Process - Scrubber	SbCl ₃	0.03	0.03
		Cl ₂	0.05	0.05
22	Ongard II Packaging Baghouse	PM ₁₀	0.20	0.20
HF-23	Boric Acid Mac Baghouse	PM ₁₀	0.35	1.53
HF-24	Zinc Borate Process Flexkleen Baghouse	PM ₁₀	0.07	0.31
PF-10	Zinc Borate Process MikroPul Baghouse	PM ₁₀	0.13	0.55
ZBPLNT1	Building Vent 1 (4)	Zinc Borate	<0.001	0.003
		Zinc Oxide	0.019	0.084
		Boric Acid	0.038	0.167
		PM ₁₀	<0.001	0.001
		VOC	<0.001	0.001
		NO _x	0.004	0.017
		SO ₂	<0.001	<0.001
		CO	<0.001	0.003
ZBPLNT2	Building Vent 2 (4)	Zinc Borate	<0.001	0.003
		Zinc Oxide	0.019	0.084
		Boric Acid	0.038	0.167
		PM ₁₀	<0.001	0.001

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VOC	<0.001	0.001
NO _x	0.004	0.017
SO ₂	<0.001	<0.001
CO	<0.001	0.003

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
ZBPLNT3	Building Vent 3 (4)	Zinc Borate	0.001	0.003
		Zinc Oxide	0.019	0.084
		Boric Acid	0.038	0.167
		PM ₁₀	<0.001	0.001
		VOC	<0.001	0.001
		NO _x	0.004	0.017
		SO ₂	<0.001	<0.001
		CO	<0.001	0.003
ZBPLNT4	Building Vent 4 (4)	Zinc Borate	0.001	0.003
		Zinc Oxide	0.019	0.084
		Boric Acid	0.038	0.167
		PM ₁₀	<0.001	0.001
		VOC	<0.001	0.001
		NO _x	0.004	0.017
		SO ₂	<0.001	<0.001
		CO	<0.001	0.003

- (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)
 - NaSbO₃ - sodium antimonate
 - SbCl₃ - antimony chloride
 - Cl₂ - chlorine
 - Sb₂S₃ - antimony sulfide
 - TSP - total suspended particulate matter (including PM₁₀)
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide

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CO - carbon monoxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Zinc Borate Process 8,760 hrs/yr

Hrs/day 24 Days/week 7 Weeks/year 48 or Hrs/year _____

Dated _____