

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-18943

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 *	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>
1	Production Furnaces 1, 2, and 7	SnO	0.0010	0.0029
		Pb ₃ O ₄	0.0007	0.0021
2	Lab Fume Scrubber	HCl	<.0100	0.0300
		HNO ₃	<.0100	0.0300
3	Furnace 1, 2, and 7 Burners (5)	PM ₁₀	0.05	0.146
		SO ₂	0.006	0.017
		CO	0.20	0.582
		NO _x	1.0	2.91
		VOC	0.053	0.154
4	Furnace 5 and 6 Burners (5)	PM ₁₀	0.05	0.146
		SO ₂	0.006	0.017
		CO	0.20	0.582
		NO _x	1.0	2.91
		VOC	0.053	0.154
5	Solvent Blending Room (6)	VOC		0.032
6	Reclaim Furnaces 5 and 6	SnO	0.008	0.0233
		Pb ₃ O ₄	0.0050	0.0146

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
7	Three Solder Cream Furnaces 0.0283 and 1 Canning Station	SnO Pb ₃ O ₄	0.0098 0.0065	0.0098 0.0189
8	Turbo Screen	SnO Pb ₃ O ₄	0.0118 0.0071	0.0340 0.0207
10	Three Solder Cream Furnaces 0.0077	SnO Pb ₃ O ₄	0.0027 0.0018	0.0027 0.0052
11	Rosin Crushing Booth and Blending Station (4)	C ₁₉ H ₂₉ COOH	0.0240	0.070
12	Reclaim Furnace 3 and 4	SnO Pb ₃ O ₄	0.0006 0.0004	0.0018 0.0012
13	Reclaim Furnace 3 and 4 Burners (5)	PM ₁₀ SO ₂ NO _x CO VOC	0.05 0.006 1.0 0.20 0.053	0.146 0.017 2.912 0.582 0.154
15	Extruders and R and D Equipment	VOC	<0.10	0.234
16	Turbo Screen	SnO Pb ₃ O ₄	0.0118 0.0071	0.0340 0.0207
17	Turbo Screen	SnO Pb ₃ O ₄	0.0118 0.0071	0.0340 0.0207
18	Turbo Screen	SnO Pb ₃ O ₄	0.0118 0.0071	0.0340 0.0207
19	Turbo Screen	SnO	0.0118	0.0340

		Pb ₃ O ₄	0.0071	0.0207
20	Turbo Screen	SnO	0.0118	0.0340
		Pb ₃ O ₄	0.0071	0.0207

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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) PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 - SO₂ - sulfur dioxide.
 - CO - carbon monoxide.
 - NO_x - nitrogen oxide.
 - VOC - volatile organic compound.
 - SnO - tin oxide.
 - Pb₃O₄ - lead oxide.
 - C₁₉H₂₉COOH - rosin.
 - HCl - hydrochloric acid
 - HNO₃ - nitric acid
- (4) Emissions from these sources consist of 95 percent rosin and 5

percent ammonia.

- (5) Operates per Exemption No. 106.183
- (6) Operates per Exemption No. 118, Registration No. 18943
- (7) Operates per Exemption Nos. 106.227 and 106.317

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

Hrs/day 16 Days/week 7 Weeks/year 52 or Hrs/year 5,824

Maximum hourly and annual throughputs of billets and flux as specified in the Special Condition No. 1.

Dated_____