

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17473

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> | |
|---------------------------|-----------------------------|-----------------------------|-------------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |
| EPN 1F | Scribe Area (4) | PM ₁₀ | 0.02 | 0.05 |
| EPN 2** | Fabrifilm, G-4 North and | | VOC | 22.51 |
| | 35.86 | | | |
| | G-4 South Spray Booths, | | PM ₁₀ | 0.30 |
| | 0.74 | | | |
| | Methyl Ethyl Ketone (MEK) | | PCE | 0.05 |
| | 0.12 | | | |
| | Table - Stack | | | |
| | MEK Scribe Vent | PM ₁₀ | 0.10 | 0.24 |
| EPN 3 | "Old-Line" and G-4 | PM ₁₀ | 0.024 | 0.06 |
| | Anodizing-Stack | | | |
| EPN 4 | Vertical and Horizontal Dip | | VOC | 0.23 |
| | 0.56 | | | |
| | Tank, Spray Mask, Adsorber | | PCE | 1.22 |
| | 3.04 | | | |
| | Water Tank, Mask Recycle | | | |
| | Tank - Stack | | | |
| EPN 6 | Chemical Mill - Stack | PM ₁₀ | 0.006 | 0.02 |
| EPN 6F | Chemical Mill (4) | PM ₁₀ | 0.03 | 0.08 |
| EPN 7F | Aluminum Chem Mill (4) | PM ₁₀ | 0.03 | 0.08 |
| EPN 8F | "Old-Line" Anodize (4) | Cr | <0.001 | <0.001 |

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|---------|----------------------------------|----|------------------|--------|
| EPN 9F | G-4 Anodize (4) | Cr | <0.001 | <0.001 |
| EPN 10F | "Old-Line" Etch Tank (4) 0.08 | | PM ₁₀ | 0.03 |

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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) VOC - volatile organic compounds as defined in General Rule 101.1
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - PCE - perchloroethylene
 - Cr - chromium
- (4) Fugitive emissions are an estimate only.

** These emission rates shall not be exceeded either during simultaneous operations of all three booths or during the operation of one booth.

* Emission rates of speciated metals and compounds are found in applicant's Table 1(a) dated September 9, 1993.

* Emission rates are based on, and the facilities are limited to, the maximum operating schedule:

| | |
|-------------------------------------|--------------|
| Vertical Dip Tank | 5,000 hrs/yr |
| Horizontal Dip Tank/Spray Mask Area | 5,000 hrs/yr |
| Fabrifilm Spray Booth | 890 hrs/yr |
| G-4 North and South Spray Booth | 3,350 hrs/yr |
| G-4 Anodizing Tank | 4,940 hrs/yr |
| "Old-Line" Anodizing Tank | 5,000 hrs/yr |

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated _____