EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

21070

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
S1	Deoxidize Tanks Scrubber	Cr	0.0014	0.0061
S2	Etch & Seal Tanks Scrubber	Cr	0.000009	<0.00004
S3	Anodizing Tanks Scrubber	Cr	0.0016	0.0068
023239S	Kirksite Furnace Stack	PM10 (a)	0.44	0.46
		PM10 (b)	0.010	0.01
		SO2	<0.002	<0.002
		NOx	0.200	0.208
		CO	0.04	0.042
		VOC	<0.020	<0.02

(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 less than 10 microns
PM10 (a) - primarily zinc oxide with traces of aluminum oxide, magnesium oxide, and copper oxide
PM10 (b) - products of combustion
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
Cr - Chromium

* Emission rates are based on the maximum annual use of 14,700 pounds of chromic acid, a maximum weekly production of 40,000 pounds of kirksite, and the maximum annual production of 520 tons of kirksite and the facilities are limited by the following maximum operating schedule:

CHROME ANODIZING LINE OPERATING SCHEDULE

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

KIRKSITE FURNACE SCHEDULE

Limited to 2,080 hours per year with no daily or weekly constraint.

Dated _____