

APPENDIX E. ESTIMATED ANNUAL HAZARDOUS WASTE GENERATION

1. Hazardous Material Inputs

- a. Chlorine Gas – 2, 2 ton cylinder (1960 Lbs Chlorine gas) on site at any one time, annual consumption of approx. 30,000 Lbs of Chlorine gas
 - i. Used to turn impurities to salts and removed as dross. Any excess emissions are controlled per the air permit.
- b. HCL – 3,000 Gal in 10 300 Gal totes on site at any one time, annual consumption of approx. 24,000 Gallons HCL at 35 Wt %.
 - i. Used to clean the aluminum strip on the CASH line and any emissions are controlled per the air permit

2. Petroleum Product Inputs

- a. Hot Mill Rolling Coolant – Water / Oil Emulsion at 10% oil or 50,000 Gals oil on site at any one time, annual consumption of approx. 100,000 Gal oil.
 - i. Used during hot rolling and any emissions are controlled per the air permit
- b. Cold Mill Rolling Coolant – Mineral Oil based 140,000 Gals oil on site at any one time, annual consumption of approx. 80,000 Gal oil.
 - i. Used during cold rolling and any emissions are controlled per the air permit

3. Hazardous Waste - Annual amounts to be disposed to landfill or recycled by certified 3rd parties.

- a. Dross - 9,900,000 lbs
- b. Cast House Filters - 130,000 lbs of spent bag house filters
- c. Hot Mill Coolant - 240,000 lbs of used coolant
- d. Hot Mill Filter Cloth - 260,000 lbs of spent filter media cloth
- e. Cold Mill Coolant - 160,000 lbs of spent coolant
- f. Cold Mill Filter Cloth - 312,000 lbs of spent filter media diatomaceous earth
- g. CASH Line Dry Lube - 28,600 lbs of dry lube waste
- h. Waste Water Treatment - 71,200 lbs of oil flocculant