

To D.J. Emery; H.E. Pearson;

Date Sept 4/75

From C.S. Olsen

Ref.

Subject Roaster Stack Filtration Test

Sampling Date: Aug 29/75

Gas Temperature - 153°F

Gas Velocity - 9.27 ft/sec

Gas Volume - 34,733 cfm

Weight of Arsenic lost to atmosphere - 604.95 lb/day

Arsenic in Roaster Feed - 23760

Arsenic in Roaster Calcine - 3200

Arsenic in Cottrell dust - 300

Arsenic to Baghouse - 19760

Baghouse Collection Efficiency - 96.94%

Total Collection Efficiency - 97.06%