

To K. Morton c.c. W.A. Moore

Date August 26, 1977

From C.O. Olesen

Ref. _____

Subject Roaster Stack Filtration Test

Sampling date - June 20, 1977

Gas temperature	-	160	°F
Gas velocity	-	11.17	ft./sec.
Gas Volume	-	41,820	c.f.m.
Weight Arsenic lost to atmosphere	-	621	lb./day
 Arsenic in Roaster feed	-	23,900	lbs.
Arsenic in Roaster calcine	-	3,680	lbs.
Arsenic in Cottrell dust	-	760	lbs.
Arsenic to Baghouse	-	19,460	lbs.

Baghouse collection efficiency - 96.81 %

Total collection efficiency - 96.93 %

CQO/ct

Arsenic Emission : 0.0844 grains /scf (0.0722 grains /scf)