

To K. Morton c.c. W.A. Moore
From C.Q. Olesen
Subject Roaster Stack Filtration Test

Date August 26, 1977
Ref. _____

Sampling date - July 21, 1977

Gas Temperature	-	156	°F
Gas velocity	-	10.62	ft./sec.
Gas volume	-	39,761	c.f.m.
Weight Arsenic lost to atmosphere	-	760.46	

Arsenic in Roaster feed	-	23,500	lbs.
Arsenic in Roaster calcine	-	3,020	lbs.
Arsenic in Cottrell dust	-	840	lbs.
Arsenic to Baghouse	-	19,640	lbs.

Baghouse collection efficiency - 96.13 %

Total collection efficiency - 96.30 %

CQO/ct

Arsenic Emission : 0.1081 grams /scf (0.0930 grams /AcF)