

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

August 30, 1977

C.Q. Olesen

Roaster Stack Filtration Test

Sampling Date - August 24, 1977

Gas temperature	-	160	°F
Gas velocity	-	11.00	ft./sec.
Gas volume	-	41,184	c.f.m.
Weight Arsenic lost to atmosphere	-	680	lb/day

Arsenic in roaster feed	-	23,940
Arsenic in roaster calcine	-	3,140
Arsenic in cottrell dust	-	740
Arsenic to baghouse	-	20,060

Baghouse collection efficiency	-	96.61 %
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Total collection efficiency	-	96.73 %
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CQO/ct

Arsenic Emission : 0.0939 grains / SCF (0.0803 grains / ACF)

Corrected Airflow