

To D.J. Emery; H.E. Pawson; A.K. Campbell; File

Date November 15, 1971

From M.E. Lane

Ref.

Subject ROASTER STACK FILTRATION TEST

Sampling Date:

November 3, 1971

Gas Temperature:

163°F

Gas Velocity :

14.42 ft./sec.

Gas Volume :

53,988 c.f.m.

Weight of Arsenic Lost to Atmosphere: 1233 lbs./day

Arsenic in Roaster Feed:

30520 lbs.

Arsenic in Calcine :

3220 lbs.

Arsenic in Cottrell Dust:

27300 lbs.

Arsenic to Baghouse :

26740 lbs.

Baghouse Collection Efficiency:

95.39%

Total Dust Collection Efficiency:

95.48%

MEL/mw

M.E. Lane

Mill Engineer

*Note: Only 7 of the 8 sections were in operation at the time of this test.
#8 was down for overhaul.
all previous tests were for an 8 compartment baghouse.*