

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

Date September 22, 1971

From M.E. Lane

Ref.

Subject ROASTER STACK FILTRATION TESTS

SAMPLING DATE: September 8, 1971

GAS TEMPERATURE: 186°F.

GAS VELOCITY: 15.75 ft/sec.

GAS VOLUME: 58,968 c.f.m.

WEIGHT OF ARSENIC LOST TO ATMOSPHERE: 2448 lbs./day

ARSENIC IN ROASTER FEED: 30960 lbs.

ARSENIC IN ROASTER CALCINE: 2240 lbs.

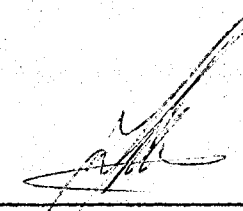
ARSENIC IN COTTRELL DUST: 760 lbs.

ARSENIC TO BAGHOUSE: 27960 lbs.

BAGHOUSE COLLECTION EFFICIENCY: 91.24%

TOTAL DUST COLLECTION EFFICIENCY: 91.48%

MEL/mw

  
M.E. Lane  
Mill Engineer