

To D.J. Emery; H.E. Pawson; A.K. Campbell; File Date August 20, 1971
From M.E. Lane Ref.
Subject ROASTER STACK FILTRATION TESTS

SAMPLING DATE: August 9, 1971

GAS TEMPERATURE: 180°F
GAS VELOCITY: 14.96 ft/sec.
GAS VOLUME: 56,010 c.f.m.

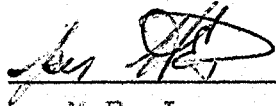
WEIGHT OF ARSENIC LOST TO ATMOSPHERE: 2594 lbs/day

ARSENIC IN ROASTER FEED	31540 lbs.
ARSENIC IN ROASTER CALCINE	2040 lbs.
ARSENIC IN COTTRELL DUST	1000 lbs.
ARSENIC TO BAGHOUSE	28500 lbs.

BAGHOUSE COLLECTION EFFICIENCY = 90.90%

TOTAL DUST COLLECTION EFFICIENCY = 91.21%

MEL/mw



M.E. Lane
Mill Engineer