

To D.J. Emery; H.E. Pawson; File
From M.E. Lane
Subject ROASTER STACK FILTRATION TEST

Date September 8, 1970
Ref.

Sampling Date: September 4, 1970

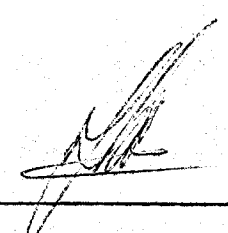
Gas Temperature: 195°F.
Gas Velocity: 11.84 ft/sec.
Total Gas Volume: 44,329 c.f.m.

Dust Loss: 1504 lbs./24 hrs.
Dust Analysis: 61.86% As.
Arsenic to Atmosphere: 930 lbs./24 hrs.

Arsenic in Roaster Feed: 32,940 lbs./24 hrs.
Arsenic in Calcine &
Cottrell Dust: 3,160 lbs./24 hrs.
Arsenic to Baghouse Collector: 29,780 lbs./24 hrs.

Baghouse Collection Efficiency: 96.88%

MEL/mw


M.E. Lane
Mill Engineer

Note

ROASTER PROBLEMS WERE BEING CORRECTED
AT THE TIME OF THE TEST.

THE PROCEDURE KNOWN AS BUMPING USED IN EXCESS OF
4500 SCFM. W

THE TEST AS WELL AS THAT OF AUG 28TH ARE
NOT TRULY INDICATIVE