

To D. R. DeSaporta

Date June 26<sup>th</sup>, 1964

From E. D. Fisher

Ref. \_\_\_\_\_

Subject Stack Sampling Test - June 22, 1964 (2 h 55 min filtration)

Gas Temperature  $194.4^{\circ}\text{F}$   
Gas Velocity  $11.02 \text{ ft/sec.}$   
Gas Volume  $28,644 \text{ c.f.m.}$   
Dust Concentration  $0.00877 \text{ gm/ft}^3$   
Calculated Dust Loss  $797 \text{ lb/24 hr.}$   
Analysis  $58.6 \% \text{ As}$   
 $= 467 \text{ lb As per day.}$

Arsenic in Roaster Feed:

$189.82 \text{ tons @ } 11.10 \% \text{ As} = 42,140 \text{ lb}$

Arsenic in Roaster Calcine

$148.22 \text{ tons @ } 1.10 \% \text{ As} = 3,060 \text{ lb}$

Arsenic in Ashell Dust

$13.30 \text{ tons @ } 5.33 \% \text{ As} = 1,418 \text{ lb}$

4,478

4,478 lb

Arsenic to Baghouse Collector

$37,662 \text{ lb}$

Stack Loss

$467 \text{ lb}$

$= 1.24 \text{ per cent.}$

Baghouse Collection Efficiency  $98.76 \text{ per cent}$