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To WAC): RJMcL  
From E. O. Foster  
Subject Roaster Stack Sampling Results

Date October 30, 1964

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

Sampling Date:

October 28th, 1964

Gas Temperature

205° F

Gas Velocity

9.95 ft./sec.

Total Gas Volume

25,870 c.f.m.

57253

Dust Loss

843 lb./day

Dust Analysis

65.50% As.

Arsenic to Atmosphere

552 lb./day

Arsenic in Roaster Feed

46,620 lb.

Arsenic in Calcine & Cottrell Dust

5,420 lb.

Arsenic to Baghouse Collector

41,200 lb.

Stack Loss (per cent of arsenic to collector)

1.34 per cent

Baghouse Collection Efficiency

98.66 per cent