

To D.J. Emery, A.K. Campbell, H.E. Fawson, File. Date June 15, 1972
From M.E. Lane Ref.
Subject Aerial Arsenic Monitoring

Tests carried out between May 9th and June 13th, 1972.

One Mile Radius of Stack:

East: Discontinued during Summer and Fall
West: 0.4045 mgm in 34 days
South: 0.3720 mgm in 33 days
North: 0.1990 mgm in 33 days
Average: = 0.0097 mgm per day
Average Arsenic Fallout = 0.0044 lbs. per acre per day.

Two Mile Radius of Stack:

East: 0.1403 mgm in 33 days
North: 0.2493 mgm in 33 days
South: 0.2330 mgm in 33 days
Average: = 0.0068 mgm per day
Average Arsenic Fallout = 0.0031 lbs. per acre per day.

On May 24th, a monitor was set up in the vicinity of 'B' Shaft at approximately 300 yards from the stack.

'B' Shaft Monitor:

0.3960 mgm in 20 days
Therefore: 0.0198 mgm per day

Arsenic Fallout = 0.0039 lbs. per acre per day.


M.E. Lane
Mill Engineer.