

MEMORANDUM

To D.J. Emery; Lab
From Assay Office
Subject Aerial Arsenic samples

Date July 30-71
Ref. _____

1 mile North	6.90 mgrm As
2 miles North	4.75
2 Miles East	2.61
1 mile South	0.92
2 miles South	0.46
2 miles West	0.72

$$\frac{2.616}{0.12} = 0.256$$

1.13 mg/m² of soil
= 0.0272 mg/m²
= 0.023 mg/m² of soil
As found in 2 miles
= 0.078 mg/m² of soil

6/15/36

Aug. 2.73 mg/m²

W.L. Richardson

Typical: 0.025 mg/m² of soil
= 0.025 mg/m² of soil
Concentrated: 0.025 mg/m² of soil

Asenic Monitors (Aerob)

July 30/71

At 1 mile radius of stack

North 6.90 mg in 15 days : 0.460 mg/day
South 0.92 mg in 15 days : 0.061 mg/day
West 0.72 mg in 13 days : 0.055 mg/day

Average : 0.192 mg/day

Container area : 30.68 sq. in.

$$\text{As fallout} = \frac{0.192}{30.68} \times \frac{6,272,640}{1000 \times 453.6} \text{ lbs/acre/day}$$

As fallout 0.087 lbs/acre/day

At 2 mile radius of stack

North : 4.75 mg in 15 days : 0.317 mg/day
South : 0.46 mg in 14 days : 0.033 mg/day
East : 2.61 mg in 14 days : 0.186 mg/day

Average = 0.179 mg/day

$$\text{As fallout} = \frac{0.179}{30.68} \times \frac{6,272,640}{1000 \times 453.6} \text{ lbs/acre/day}$$

As fallout 0.081 lbs/acre/day