

To D. Emery: Lab.

Date Feb. 12-71

From Assay

Ref. _____

Subject Arsenic - Tap Water, Aerial

Feb. 8-12 Assay Tap Water 0.008 ppm

Feb. 12 Town " 0.0065 "

Aerial Arsenic- North 1.18 mgs

South 8.85 "

East 7.77 "

West 4.09 "

} 4 whs
(3 whs)

Arsenic Monitors

~~DATA~~

North, South, East: JAN 12TH to FEB 9TH / 1971.

WEST: JAN 20TH to FEB 10TH / 1971.

North: 1.18 mgs / 28 days

South: 8.85 mgs / 28 days

East: 7.77 mgs / 28 days

West: 4.09 mgs / 21 days

(West \equiv 5.45 mgs / 28 days.)

Average: 5.81 mgs / 28 days.

Area of container = 30.68 sq. in.

$$\therefore \text{As fallout} = \frac{5.81}{28 \times 30.68} \text{ mgs / day / sq. in.}$$

$$= \frac{5.81 \times 6,272,640}{28 \times 30.68 \times 1000 \times 453.6} \text{ lbs / day / acre}$$

$$= \frac{36,444,038.4}{389,660,600.0} \text{ lbs / day / acre}$$

As fallout = 0.0935 lbs / day / acre at 3 mile radius of stack.