

Arsenic Monitoring

WED. NOV. 4/70 - THURS NOV. 19.

1 mile north of stack : 0.56 mg As.

1 mile south of stack : 0.41 mg As

Average : 0.48 mg As/16 days

Area of center = $3.142 \times 3.125 \times 3.125 = 30.68 \text{ sq. in.}$

$\therefore \text{As fallout} = 0.48 \text{ mg As} / 16 \text{ days} / 3068 \text{ sq. in.}$

$$= \frac{0.48}{16 \times 30.68} \text{ mg/day/sq. in.}$$

$$= \frac{0.48 \times 6,272,640}{453.6 \times 16 \times 30.68 \times 1000} \text{ lbs/day/acre}$$

$$= \frac{3,010,867.2}{222,663,168}$$

$$\text{As fallout} = 0.0135 \text{ lbs/day/acre}$$