

# AERIAL ARSENIC MONITORING

TESTS CARRIED OUT DURING THE PERIOD DEC 31/71  
AND JAN 28/72. @ 2 MILE WEST NORTH MONITOR  
DEC 31/71 TO JAN 31/72

## ONE MILE RADIUS OF STACK:

NORTH	0.2755	μg IN 29 DAYS	AVERAGE: .01776 μg/day
SOUTH	0.7548	μg IN 29 DAYS	

ARSENIC FALLOUT: 0.00800 lbs/acre/day

## TWO MILE RADIUS OF STACK:

NORTH	0.1829	IN 31 DAYS	
SOUTH	0.4813	IN 29 DAYS	AVERAGE: .01662 μg/day
EAST	0.3116	IN 29 DAYS	

ARSENIC FALLOUT: 0.00749 lbs/acre/day

# AERIAL AGENICS

TOTAL AS IN BOTTLE

$$1 \text{ MILE NORTH } .0058 \times \frac{2375}{50} = 0.2755 \text{ Mgr}$$

$$1 \text{ MILE SOUTH } .0185 \times \frac{2640}{50} = 0.7548 \text{ Mgr}$$

$$2 \text{ MILE NORTH } .0072 \times \frac{1270}{50} = 0.1829 \text{ Mgr}$$

$$2 \text{ MILE SOUTH } .0128 \times \frac{1880}{50} = 0.4813 \text{ Mgr}$$

$$2 \text{ MILE EAST } .0067 \times \frac{2325}{50} = 0.3116 \text{ Mgr}$$

.00925

          
-01850

1.00

0067

          
-0128

	VOLUME	PHOTO	PPM	Mg/L/50 ml
1 MILE NORTH	2375	6.0	0.029	.0058
-		(5.75)		
-		6.0	0.029	
1 MILE SOUTH	2040	19.5	.0925	.01850
-		19.5		
-		(19.0)		
2 MILE NORTH	1270	7.5	.036	.0072
-		(5.0)		
-		7.5		
2 MILE SOUTH	1880	13.5	.069	.0128
-		13.5		
-		(12.5)		
2 MILE EAST	2325	7.0	.0335	.0067
-		7.0		
-		7.0		

24.0

$$Mg = \frac{PPM \times V}{10}$$