

SUMMARY OF ASBESTOS WASTE DISPOSAL OPERATIONS AT J-M SITES

I. Basis of Tabulation...The summary information presented herewith merely represents some preliminary estimates based upon a limited amount of data currently available at GHQ. Plant responses to a simple survey questionnaire have been employed, without advantage of detailed explanations or clarification. Any common denominators in formulating these original responses probably are lacking. The compilations thus are a starting point only and should be merely treated as such.

II. Asbestos Waste Disposal at Multi-Division Locations (approximations)

	<u>Manville</u>	<u>Waukegan</u>
Pipe Div. operations	7,000	6,800
RPD operations with asbestos	1,500	1,500
IPD operations with asbestos	100	200
Building Systems Dept.	<u>6,400</u>	<u>1,500</u>
Total tons of waste per year	15,000	10,000
RPD (roofing trim, scrap, rejects)	13,000*	12,000*

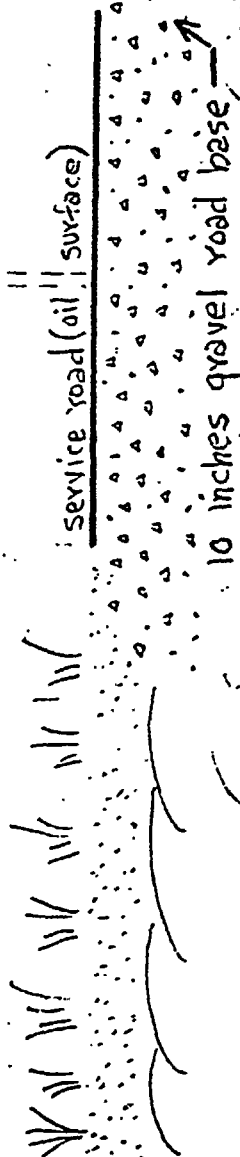
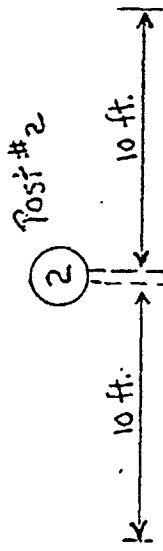
*Contains some locked-in asbestos.

III. Annual Waste Disposal and Dump Capacities at J-M Sites

	<u>Annual Disposal Rate</u>	<u>Disposal Site Longevity</u>
Manville	15,000 tons	12 years (to 1987)
Waukegan	10,000 tons	30 years (to 2005)
Tilton	100 tons	100 years (to 2075)
Denison	3,000 tons	5 years (to 1980)
Green Cove	600 tons	3 years (to 1978)*
Stockton	22,000 tons	6 years (to 1981)

*Plant reports additional on-premise site with potential 20 to 30 year longevity.

CELL II (inactive)
 ... 6 inches of dirt and
 topsoil with vegetation.



CELL IV

(active... Thermo 12
 wastes only)

asbestos-containing wastes from manufacturing processes

SECTION A-A

D 001594

(not to scale)

AMBIENT AIR CHARACTERISTICS AT ASBESTOS WASTE DISPOSAL SITES
(Caution: Summary data not for use without additional detail)

IITRI Program: Denison Waste Disposal Site

02/27/74...wind from South at 20 mph; temp. about 60°F
02/28/74...wind from South and SSE at 11 mph; temp. about 63°F

	fibers per cc with diameter of 0.5 um or more Feb. 27/OM (500X)	Feb. 28/OM (500X)
2815 ft. upwind		
2 meters high	.0171	.0175
7 meters high	.0195	.0445
1320 ft. downwind		
2 meters high	.0141	.0280
7 meters high	.0240	.0130
2330 ft. downwind		
2 meters high	.0172	.0427
7 meters high	.0187	.0293

IITRI Program: Waukegan Waste Disposal Site

12/08/73...wind from South and SW at 10 to 15 mph; temp. about 30°F

	fibers per cc with diameter of 0.5 um or more December 8/OM (625X)
1200 ft. upwind	
2 meters high	.000038
7 meters high	.000315
near active face	
2 meters high	.000112
7 meters high	.000199
1200 ft. downwind	
2 meters high	.000211
7 meters high	.000248

J-M/IH Program: Manville Waste Disposal Site

week of 08/13/75...wind continuously from NW at 10 mph or less

	fibers per cc rated within optical range OM method (430X)	SEM techniques
175 ft. upwind		
1½ meters high	.006	none
220 ft. E tangent		
1½ meters high	.010	.0340
120 ft. WSW tangent		
1½ meters high	.011	.0292
1050 ft. SSW tangent		
1 meter high*	.00024	no test
200 ft. downwind		
1½ meters high	.010	.0196
275 ft. downwind		
1½ meters high	.020	no test
1150 ft. downwind		
1 meter high*	.00069	no test

*High volume air sampling units.