

APPLIC. TO MEAT SWAB
COST OF DIRC.

ROUTED OUT FOR 7/1/84

THE WALL STREET JOURNAL
Tuesday, April 10, 1984

Philadelphia's Four-Star Choice.

sophistication. Peerless service. And more
consecutive four-star ratings than any
other hotel in the city.

THE **Warwick**

in Philadelphia
17th at Locust by Rittenhouse Square
800-523-4210. In PA, call (215) 735-6000.



Gramercy Park Hotel

11st St. and Lex. Ave., NYC

Distinguished 500 room hotel with excellent
restaurant, Cocktail Lounge, Room Service and
Piano Bar. Overlooking Gramercy Park
with newly decorated
comfortable rooms. Reasonably priced Banquets.
Meetings, Weddings, Celebrations
and Civic Events.

Singles \$70-80 • Doubles \$75-85
Suites \$95-125

Group rates available.

Call Gen. Mgr. Mr. Tom O'Brien
(212) GR-5-4320

Outside of NYC toll free 800-221-4083
attractive monthly rates available

OSHA Proposal to Set Tougher Standard For Asbestos Exposure Offers 2 Choices

By JOANN S. LUBLIN

Staff Reporter of THE WALL STREET JOURNAL

WASHINGTON—The Labor Department, uncertain how much it should tighten occupational-exposure limits for asbestos, is seeking public comment on a proposal to set the limits at one of two levels.

The department's Occupational Safety and Health Administration is trying to decide whether it should set maximum workplace exposure for asbestos at 500,000 fibers a cubic meter of air or at 200,000 fibers a cubic meter. The current level is two million fibers. The proposal had been expected. Asbestos has been linked to cancer and respiratory diseases.

OSHA officials aren't sure whether all employers could measure such minute air concentrations as the 200,000-fiber level. The White House Budget Office found that there would be little cost differences for compliance with one level or the other.

According to a subsequent OSHA analysis, using respirators to reduce exposure to the 500,000-fiber level would cost employers about \$66 million initially and more than \$53 million annually, compared with more than \$68 million in initial costs and almost \$56 million a year thereafter at the tougher 200,000-fiber level.

OSHA also raised the possibility of other approaches to curbing workplace asbestos exposure. While a single limit likely will be set, one agency official said the rule-making procedure will consider whether "to make some distinction for (different) fiber types of asbestos." Some scientists suspect certain types may be more likely than others to cause mesothelioma, a cancer of the lining of the lungs.

OSHA spokesman said the agency will accept comments on its latest proposal until May 15 and begin public hearings June 18.

Whatever exposure limit is chosen, the OSHA proposal would require employers to teach workers about the health effects of asbestos, proper use of respirators, and proper work practices for handling the substance. The current standard, set in 1976, doesn't mandate any training, although most other OSHA health rules do.

OSHA is also considering a requirement that employers take some protective steps,

such as medical monitoring, at the stricter 200,000-fiber exposure level, if it adopts the 500,000-fiber limit. Employers wouldn't have to carry out the full range of compliance measures unless exposure reached 500,000 fibers.

In addition, OSHA said it is considering a separate asbestos rule for the construction industry, partly to take into account the transient nature of such work.

The job-safety agency estimates about 375,000 U.S. workers are exposed to asbestos, including 49,000 exposed at above the 500,000-fiber level and 4,000 at above the 200,000-fiber level but below the 500,000-fiber level. Lowering exposure limits "will reduce the risk of death for workers exposed to asbestos by at least 75%," said Patrick Tyson, OSHA's deputy chief. Asbestos is used in manufacturing, automotive repair, shipbuilding, ship repair and construction.

Last month, a court struck down a temporary OSHA limit on occupational exposure. The suit, brought by the asbestos industry, attacked the agency for lowering the limit to 500,000 fibers a cubic meter of air without following regular rule-making procedures.

New Orleans Stevedoring Job

WASHINGTON—New Orleans Stevedoring received a \$12.9 million Army contract for stevedoring and related terminal services.

**SAS
CLASS
TUE**

③ ZIC

- 0.5 f/cc — Will Not Comply Based on 1977-1979 TESTS
0.2 f/cc — Will Comply Based on ONE (1) TEST in 1983
0.1 f/cc — Will Not Comply

④ INDUSTRIAL

NOTE: BECAUSE OF THE VARIOUS END USES OF INDUSTRIAL, IT IS DIFFICULT TO MAKE A BLANK STATEMENT. THIS IS A PRODUCT CATEGORY THAT PRIMARILY SHOULD BE ROUNDED AS WELL AS SCREENED.

- 0.5 f/cc — Will Not Comply WHEN EMPTYING TOO BAG TRAILER LOAD TO SILO STORAGE, I.E. J. D. BOUSA CO.
0.2 f/cc — Will Comply — PACKAGING, SMALL QUANTITY USAGE
0.1 f/cc — " " " " " "

⑤ MASONRY FILL

- 0.5 f/cc — Will Comply
0.2 f/cc — QUESTIONABLE
0.1 f/cc — Will Not Comply. THE TWO JOBS SAMPLED IN 1983 ARE NOT TYPICAL BLOCK WALL MASONRY FILL JOBS.

TO: J. W. WOLTER
FROM: F. W. LEATON

RE: PROPOSED OSHA ASBESTOS STDs.

PER YOUR REQUEST OF 4/23/84, THE FOLLOWING CPD PRODUCT CATEGORIES WILL/WILL NOT COMPLY WITH PROPOSED END USER TWA FIBER EXPOSURES OF 0.5, 0.2 AND 0.1 f/cc. MY ANSWERS ARE BASED ON FIELD MONITORING RESULTS AND IN SOME CASES OPINIONS.

① MONOMITE

- 0.5 f/cc — WILL COMPLY
0.2 f/cc — THERE ARE TEST RESULTS IN 1977 THAT INDICATE MK 4, F5 IS $\leq$ 0.2 f/cc
0.1 f/cc — BASED ON ONE TEST IN 1983, 0.1 f/cc IS AN ATTAINABLE EXPOSURE

② FORT PRODUCTS (AG. BAG & BULK)

- 0.5 f/cc — LT. WT. FERTILIZER MFG. WILL NOT COMPLY
— SOIL MIX MFG (LARGE) MAY NOT COMPLY
— " " " (SMALL) WILL COMPLY
0.2 f/cc — " " " (LARGE) WILL NOT COMPLY
0.2 f/cc — " " " (SMALL) WILL COMPLY
0.1 f/cc — " " " (SMALL) " "

(1)

10001845

⑥ CONCENTRATE

NOTE: WE HAVE INSUFFICIENT DATA TO
MAKE BLANK STATEMENTS. IT IS MY
OPINION THAT UNTREATED CONCENTRATE
WILL EXCEED 0.5 f/cc

LIMITED DATA ON SBO 4G
INDICATES THAT PROPERLY TREATED CONCEN.
WILL COMPLY WITH 0.1 f/cc

FE
4-23-84

①

MONOHOTE JOB SITE AIR MONITORING (SIZE 3 LIBBY DERIVED EXPANDED VERMICULITE)

3/12/84

TEST DATE	JOB LOCATION	TWA FIBER EXPOSURE (f/cc)					
		MIXER	NOZZLE	CLEAN-UP	MIXER	NOZZLE	CLEAN-UP
1							
2	WESTMINSTER						
3	1/26/77 COURT BLDG	0.059	0.078	0.015			
4	WESTMINSTER CA						
5							
6							
7	3/8/77 HYATT REGENCY	< 0.116	< 0.176				
8	DALLAS TX						
9							
10							
11							
12	IMPERIAL						
13	3/9/77 SAVINGS & LOAN				< 0.248	< 0.311	
14	SAN DIEGO CA						
15							
16							
17	So. Co. Hall						
18	3/10/77 OF JUSTICE	0.031	< 0.181	0.247			
19	FREEMONT CA						
20							
21							
22	CALIF FEDERAL						
23	3/11/77 SAVINGS & LOAN	0.019	0.196				
24	BURBANK CA						
25							
26							
27	WEST SHORE						
28	4/26/83 OFFICE BLDG				0.0058	0.004	< 0.0001
29	HARRISBURG PA						
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

②

TRENOLITE FIBER EXPOSURE FIBER SUMMARY
AG BAG & BULK

1-10-83

SHEET 1 OF 3

TEST DATE	COMPANY NAME / JOB DESCRIPTION	BAG/BULK	L/SC SIZE	TWA FACTOR	TWA (f/cc)	DUST CONTROL
1-20-78	VOLUNTARY PURCH. GRP.	BULK	L-4			
	HOPPER LOADER			7/8	0.107	NO
	BAGGER				0.059	YES
	BAG SEALER				0.147	NO
	BAG STACKER				0.118	
	WEIGHT CHECKER				0.105	
6-13-78	UNLOADING HOPPER CAR				0.227	
1-24-78	AGWAY	BULK	L-3			
	AMMONIATOR OPER.			7/8	2.41	NO
	CREW CHIEF				2.27	
	HOPPER LOADER				2.55	
	UNLOADING HOPPER CAR				0.28	
4-18-78	KNOX FERTILIZER	BAG	L-4			
	MTY 4 CF BAGS TO BULK			4.5/8	0.817	NO
	BAGGER - FERTILIZER LINE			6/8	1.347	
	FORMULATOR			11/8	3.141	
1-18-79	SIMS-LANDMARK FERTILIZER	BAG	L-4			
	TRACTOR DRIVER			7/8	7.80	NO
	BIN MAN.				6.83	YES
	SCALE MAN				1.40	NO
	FOREMAN				0.58	NO
3-16, 21-78	ARROWHEAD GARDENS	BAG	L			
1	CHARGING MIXER & STACKING FLATS		2UB/2B	4/8	0.082/0.026	NO
			3UB/3B		0.076/0.031	
2	HANDLING BAGS & EMPTY FLATS		2UB/2B		0.084/0.079	
			3UB/3B		—/0.033	
4-12-78	A.H. HOFFMAN	BAG	L-3			
	CHARGING MIXER (SOIL MIX)			7/8	0.464	NO
	CHARGING VERM. PIG. HOPPER				0.984	YES
	BAGGER - SMALL PIG				<0.092	
	SEALER - "				<0.098	
	BAGGER - "				0.044	
	SEALER - "				<0.044	

10001848

AG BAG & BULK

SHEET 2 OF 3

TEST DATE	COMPANY NAME / JOB DESCRIPTION	BAG/BULK	L/SC SIZE	TWA FACTOR	TWA (F/CL)	DUST CONTROL
1 4-1-78	ROCKLAND CHEMICAL	BAG	L-4			
2	CHARGING MIXER			7/8	0.193	YES
3						
4 2-5-79	SOILS INC	BAG	L-3			
5	CHARGING HOPPER (SOIL MIX)			4/8	0.516	NO
6	" " "			↓	0.441	↓
7						
8 2-7-79	PERRY PLANTS	BAG	L-4			
9	FOUR MAN CRAW			7/8	0.226	NO
10	CHARGING MIXER AND			↓	0.193	↓
11	THEN FILLING FLATS			↓	0.208	↓
12					0.321	
13						
14 2-8-79	AMERICAN PLANT GRIVER	BAG	L-4			
15	TRUCK DRIVER & STACKING FLATS			7/8	0.250	NO
16	STACKING FILLED FLATS			↓	0.151	↓
17	LOADING EMPTY FLATS				0.132	
18	CHARGING MIXER				1.14	
19	CHARGING MIXER			↓	0.91	↓
20						
21 3-19-83	NOLIFE FERTILIZER	BULK	L-3			
22	FORMULATOR			7/8	0.194	YES
23	BAGGER/STACKER			↓	0.322	↓
24	SEWER/BAGGER				0.305	
25						
26 3-8-83	EARLY BIRD FARM	BAG	L-2			
27	CHARGE MIX & FILLED FLATS			7/8	0.036	NO
28	HELPER & LOAD MTY FLATS			"	0.039	"
29						
30 3-24, 30 & 6/7/83	EARLY BIRD FARM	BAG	L-3			
31	CHARGE MIX & FILLED FLATS			4/8	0.098	NO
32	HELPER & LOAD MTY FLATS			"	0.064	"
33						
34 6-7-83	EARLY BIRD FARM	BAG	L-4			
35	CHARGE MIX & FILLED FLATS			4/8	0.097	NO
36	HELPER & LOAD MTY FLATS			"	0.029	"
37						
38						

10001849

7
3/23/84

$$\overline{3/23/84}$$

WIT OF EXHIBITS

10001850

3

VERMOLITE FIBER EXPOSURE SUMMARY

BPD ZIC

12

2-11-83

TEST		JOB SITE	LIBBY	FIBER EXP. @		JOB DESCRIPTION	
DATE	LOCATION	SIZE	MTY BAGS	MTY BAGS	MIXER	HOSE	
			VERM.	CEMENT	OPER.	MAN	
3-9-77	PUTNAM CITY 10, HIGH SCH OHLA CITY, OHLA	3	—	0.509	—	0.085	X
3-30-77	GUTHRIE ELEM SCHOOL GARLAND TX	4	0.456	0.100	X	X	
2-20-79	SINCLAIR PRINT BLDG SAN BERNARDINO CA	4	0.378	0.274	0.205	X	
2-20-79	GEM TELEPHONE BLDG PALM SPRINGS CA	4	0.973	BULK	0.163	0.066	
3-6-79	LONE STAR ELEM. SCH NEW BRAUNFELS TX	4	—	2.04	—	0.160	0.118
NOTE: MAN HANDLING VERM BAG IN TRAILER AND TIEING UP EMPTY VERMOLITE & CEMENT BAGS HAD A TWA OF 1.248 f/c							
3-6-79	NEW BRAUNFELS MID. SCH. NEW BRAUNFELS TX	4	—	1.856	—	0.372	X
3-7-79	STALWORTH ELEM. SCH. SAN ANTONIO TX	4	—	0.270	—	0.039	0.02
NOTE: MAN HANDLING VERM. BAGS IN TRAILER AND TIEING UP EMPTY VERM. & CEMENT BAGS HAD A TWA OF 0.332							
3-7-79	WOODLAKE ELEM. SCH. SAN ANTONIO TX	4	1.185	0.590	0.45	0.05	
NOTE: SAME NOTE AS ABOVE EXCEPT TWA = 2.14 f/c							
3-16-83	SEWAGE PLANT HARVEY LA	SBO-4 PLAIN-4	0.133 0.055		0.049 0.018	X X	
NOTE: SAME NOTE AS ABOVE EXCEPT TWA PLAIN = 0.056, SBO = 0.14 f/c							

10001851