



VIA FEDERAL EXPRESS

MARGARET J. BAUMGARDNER
RESEARCH COORDINATOR

August 5, 2009

Taylor Kerns
Simmons, Browder, Gianaris, Angelides & Barnerd
707 Berkshire Boulevard
East Alton, IL 62064

Re: Cellulo

Dear Mr. Kerns:

Enclosed are the documents and affidavit relating to the above entity. Below are charges for this research. The charges include time for me to prepare an affidavit and have it notarized.

Research Coordinator's time	
1.5 hours x \$150.00 per hour	\$225.00
Bates labels – 43 labels x \$.07 each	\$ 3.01
Copies, microfilm – 42 pages x \$.40 per page	<u>\$ 16.80</u>
TOTAL	\$244.81

Please forward a check for **\$244.81** payable to the *Claims Resolution Management Corporation*, to my attention in Aurora. If you have any questions, please do not hesitate to contact me.

Sincerely,



Margaret J. Baumgardner

cc: Jared S. Garelick

Enclosures

AFFIDAVIT

STATE OF COLORADO)
) ss.
COUNTY OF ADAMS)

I, Margaret J. Baumgardner, being of full age and first duly sworn do hereby state:

1. I am not a party to this action. I have personal knowledge of the facts set forth in this affidavit, and if called as a witness, I could and would competently testify as to the truth of the matters set forth herein.

2. I am the Research Coordinator for the Claims Resolution Management Corporation ("CRMC"), a wholly owned subsidiary of the Manville Personal Injury Settlement Trust ("Trust"). The CRMC was created in December 1998 and is staffed by former Trust employees. On January 1, 1999, CRMC began providing claims resolution facility services to the Trust.

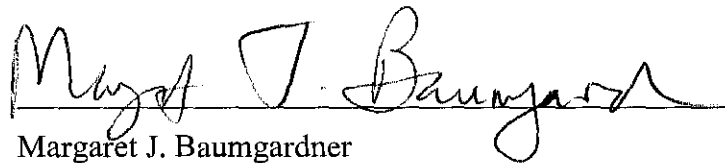
3. In this position, I manage the Asbestos Claims Research Facility ("Facility"), a document and records repository located at 3390 Peoria Street, Suite 304, Aurora, Colorado. The Facility contains the business records including but not limited to correspondence, memoranda, reports, records and data compilations ("record") of Manville Corporation or related entities ("Manville"), generally, as well as Manville records relevant to litigation of asbestos liability. The Trust has managed and operated the Facility from November 28, 1988, the date on which the Manville bankruptcy plan was consummated.

4. My experience and familiarity with the documents at the Facility began in 1983 while working for Manville. In my work as a paralegal for Manville, I assisted in locating, indexing and packing many of the records which became the foundation documents for the Facility. I continued to work for Manville until September 1987. From March 1988 to September 1988, I was hired to supervise and assist in the indexing of the first 20,000 boxes which were turned over to the Trust in November 1988. From September 1988 to January 1989, I assisted in the privilege review of documents to be given to the Trust. From November 1988 to April 1994, I worked for Freeborn & Peters and was put in charge of the Facility, managing all productions and "new" acquisitions. In September 1995, I was hired by the Trust to manage the Facility. In December 1998, I was hired by

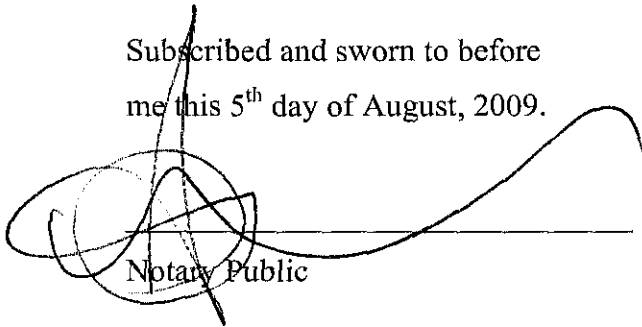
the CRMC to manage the Facility for the Trust. Accordingly, I am personally familiar with many of the records stored at the Facility, as well as how the records have been gathered.

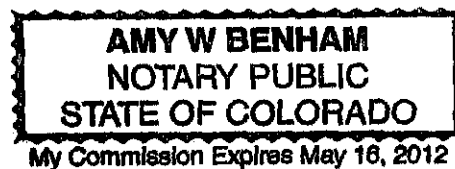
5. To the best of my knowledge, information and belief, I certify that these records were made at or near the time by, or from information transmitted by, a person with knowledge, were kept in the course of the regularly conducted business activity of Manville, and it was the regular practice and the business activity of Manville to make the records.

6. Documents from this Facility were copied for the firm of Simmons, Browder, Gianaris, Angelides & Barnerd. The copies have come from the microfilm at the Facility and are bates labeled CRMC-SBGAB-000001 through CRMC-SBGAB-000043 and these documents are true and correct copies of documents found at the Facility.


Margaret J. Baumgardner

Subscribed and sworn to before
me this 5th day of August, 2009.


Notary Public



COPY FORM

INITIALS

DATE

BOX NUMBER

Microfilm

SEGMENT NO.

REQUESTING PARTY

SC

NOTES

Cellulose & Gypsum

CRMC-SBGAB-000001



ASBESTOS INFORMATION ASSOCIATION

1660 L Street, N.W. / Washington, D.C. 20036 - (202) 223-4885

MINUTES

Special Board Of Directors Meeting

Williams Club, New York City

February 21, 1974

A special meeting of the Board of Directors was convened at the Williams Club in New York City, February 21.

The following Directors were present:

James Armstrong
George Barge
E. C. Bratt
C. Nelson Coddling
A. H. Fay
W. E. Gatewood
Thomas A. Dougherty
A. R. Hooker
J. H. Marsh
C. G. Morgan
C. A. Neumann
J. L. Rainey
William Thurber
Kurt Schwarz
F. J. Solon, Jr.
J. R. Stetson (represented by
M. Sendeki)
S. D. Weaver (represented by
W. H. Beasley)
Joseph Hall
G. Parry Weiss
J. K. Whittaker
George P. Vogel

Bendix Corporation
Atlas Asbestos Company
H. K. Porter Company, Inc.
Jim Walter Corporation
National Gypsum Company
Certain-teed Products Corp.

The Flintkote Company
Raybestos-Manhattan
North American Asbestos Corp.
Kentile Floors Incorporated
Amatex Corporation
Union Carbide Corporation
Supradur Manufacturing Corp.
Johns-Manville Corporation

Congoleum Industries, Inc.

Cement Asbestos Products Company
GAF Corporation
Garlock, Inc.
Nicolet Industries, Inc.
Ertel Engineering
(National Association of Filte
Manufacturers, Inc.)

Members of the Association's Standards and Technical Committee attending the meeting were:

Edmund M. Fenner, Chairman (Johns-Manville); H. L. Becker (Nicolet Industries, Inc.); C. C. Clarke (Bendix Corporation); William Fassuliotis (GAF Corporation); L. E. Moody (H. K. Porter Company, Inc.); Dr. H. B. Rhodes (Union Carbide Corporation); I. H. Weaver (Raybestos-Manhattan); Frank H. Zimmerman (National Gypsum Company).

Also present were:

William Simpson (President, Raybestos-Manhattan); Guy Gabrielson (President, Nicolet Industries, Inc.); R. B. Todd (Atlas Asbestos Company); John J. Machemer (The Flintkote Company); Dr. John J. Magenheimer (Raybestos-Manhattan); Gerald Marconis (Alsop Group - NAFM); James McHugh (Cellulo Co. - NAFM); Robert G. Moore and Arthur Neilson (National Gypsum Company); John Riopelle (Bendix Corporation); Ivan Sabourin (Consultant, Johns-Manville, Montreal); and Mrs. Doris Fagan (Executive Director, Asbestos Textile Institute).

Staff and Consultants present were:

Philip E. Enterline, Ph.D. (University of Pittsburgh Graduate School of Public Health); Raymond L. H. Murphy, M.D. (Harvard University School of Public Health); Matthew M. Swetonic (Hill and Knowlton, Inc.); Eugene J. Leff, Esq. (Cadwalader, Wickersham & Taft); and R. H. Mereness (Executive Director, AIA/NA).

Opening Remarks

The meeting convened at 9:30 A.M.. Mr. John Marsh, President of the Association, presided. Guests were introduced.

Report of the Executive Director

Mr. Mereness stated that the Association is now publishing "News & Notes", a brief of pertinent information to the membership with the purpose of providing timely reports and minimizing the flow of paperwork from the Association's office. The publication will be issued approximately every two weeks. Suggestions and comments were invited. It was announced that the Association has employed a service to provide current information on proposed legislation affecting the industry among the various states.

Mr. Mereness commented on a recent meeting in Montreal with

principal officers and executive directors of the Asbestos Information Committee and the Asbestosis Research Council of the U.K., and the Quebec Asbestos Mining Association of Canada. He stated that AIA/NA enjoys a close working relationship with these groups. He also stated U. S. asbestos trade associations had been formally invited to a reciprocal affiliated status with AIA/NA. He noted that the Association is preparing a booklet concerning the industry and that a questionnaire is being prepared to provide an economic profile of the industry. He said requests for the Association's information kit and booklets continue to be received from all parts of the world. Mr. Mereness mentioned the booklet "What Every Employee Should Know about ... Asbestos", prepared by J-M. He said the booklet was available from the Association office or could be purchased from J-M with a Company name imprint. Mr. Mereness said he had attended a customer's briefing by J-M on the asbestos safety and health issue and he praised the purpose and response of this kind of information and education effort.

Report of Chairman Standards and Technical Committee

Edmund Fenner of J-M, Chairman of the AIA/NA Standards and Technical Committee, advised that a task group from the newly constituted twelve-member committee met with John O'Neill, Chief of the Division of Health Standards, and other OSHA representatives on January 10 to discuss industry assistance in the proposed revision of the asbestos standard. He stated that in all likelihood, the revision to the standard will place emphasis on work practices. Monitoring will continue as a means to check on the effectiveness of work practices, on variance procedure, and the need for medical surveillance. Mr. Fenner stated there was confusion as to when an employee exposed to asbestos should have a medical examination. It would appear that OSHA will adopt the NIOSH original recommendation which basically says that if an employee's exposure is 1/2 the TLV or less, medical examinations are not required. OSHA does not feel the employer should know what the employee's medical examination has shown. Attitude is that industry need only know whether an employee is fit to work in the job assigned. No change in labeling asbestos products is expected, but could change. The fiber standard will probably remain the same, but will be subject to pressures from unions and other groups. Mr. O'Neill wants work practices written for processes rather than products, and defines a process as any operation that has a potential exposure to an employee. The need for a medical committee within AIA/NA was discussed.

Following the task group meeting, a full Committee meeting, plus Messrs. Marsh and Mereness, was held in Newark, N. J. February 6. The purpose of the meeting was to assign tasks to each of the Committee members in four general areas of work practices: house-keeping, dust collector maintenance, dust and scrap removal, and dust control engineering design. Mr. Fenner noted that work

ractices for industry's customers would have to be written at a later date. Mr. Fenner reported that rough drafts of the work practices were being forwarded to him for review and that a progress meeting with OSHA staff would take place April 10. A discussion followed. Mr. Marsh stated that he hoped to have a medical committee in being in the near future. He also stated that all recommendations for revisions to the OSHA standards would be thoroughly reviewed by the Association before definitive recommendations are submitted. Mr. Fenner noted that after work practices have been drafted by AIA/NA and approved by the Association, OSHA will send a team of consultants into plants to determine applicability of the proposed work practices, without being "official" inspections.

Mr. Marsh thanked Mr. Fenner and the members of his committee for the fine spirit in which they have undertaken the difficult tasks before them. Mr. Marsh mentioned that he and Mr. Mereness met with OSHA officials following the meeting in Newark, and that it was indicated that there could be some flexibility in the time schedule, but OSHA was planning for a completed revision by the end of the current year.

Legal Affairs

Association Counsel Eugene Leff, Cadwalader, Wickersham & Taft, reviewed the \$100M class action suit brought against PPG Industries, Inc., Pittsburgh-Corning, and others, including the Asbestos Textile Institute, on the charge that the defendants were aware of conditions in the plant and the damages in the form of pulmonary diseases allegedly resulting from exposure to asbestos, yet failed to correct such deficiencies or to warn employees of the dangers to exposure of asbestos in the concentration present, thus constituting negligence. The charge against ATI is that the Association carried on a practice of impeding the flow of information regarding health hazards in asbestos manufacture and thereby contributed to the damages alleged.

Mr. Leff next discussed a recent opinion in Borel vs. Fibre-board Paper Products Corp., in which manufacturers of asbestos insulation materials were held strictly liable for pulmonary diseases of an employee of a contractor who used the materials. The basis of the opinion was the failure of defendants to give adequate warnings of allegedly foreseeable health dangers.

Discussion followed Mr. Leff's remarks. In answer to a question regarding Borel and The Court's conclusions as to the development of information regarding health hazards associated with asbestos, Mr. Leff pointed out that a motion by defendants for rehearing, which is pending in The Court of Appeals for the Fifth Circuit, challenges The Court's chronology of scientific investigation into the asbestos-health issue. Mr. Leff said the Government case concerning Reserve

Mining alleged exposure of the general public to air and water asbestos contaminants and does not involve sale of asbestos products which was the case in Borel.

Medical Affairs

Raymond L. H. Murphy, M.D., pulmonary disease specialist of Harvard University School of Public Health and the Faulkner Hospital, Boston, reviewed his research work on chest auscultation in the diagnosis of pulmonary asbestosis. Dr. Murphy utilized slides to illustrate his studies with shipyard pipe coverers. His work, partially supported by the Association, which involves breath sound recordings and sophisticated computer analyses, continues. Dr. Murphy believes that this kind of scientific approach to chest auscultation can lead to early diagnosis of diffuse lung disease in general and pneumoconioses in particular.

Luncheon- Guest Speaker

Irving J. Selikoff, M.D., Director of Environmental Medicine, Mt. Sinai Hospital, New York City, was the guest speaker following luncheon. Dr. Selikoff was accompanied by his staff associate, William J. Nicholson, Ph.D..

Dr. Selikoff stated that the purpose of his remarks was to improve communications between the scientific community and industry. He voiced his appreciation of the opportunity to speak to the group and said that he knew that the industry was not trying to hide the asbestos disease problem, that there were great difficulties in obtaining data and explaining the problem. He offered and asked for cooperation in addressing the asbestos-health issue.

In a series of slides, he noted:

- ... long-term exposure or a long latent period of 20 years or more is usually necessary before signs of asbestos-related disease occur.
- ... first known case of asbestosis was diagnosed in 1924.
- ... a worker at "the worst plant I visited" died from asbestosis after only 8 years of exposure.
- ... the combination of smoking and working with asbestos is "explosive". ... the important factors in occurrence of asbestos-related disease are: duration from onset of exposure, intensity of exposure, total exposure, con-comitant cigarette smoking.

... a guess of 2,000 cases of mesothelioma per year could occur in the next 10 years.

... lung cancer is the biggest concern in asbestos-related disease.

... studies he had conducted among asbestos workers and the problems with filters, household contamination, and demolition.

Dr. Nicholson spoke of inadequate measurements. Both Drs. Selikoff and Nicholson called for a procedural standard at the factory level so that workers themselves can monitor their work areas. Dr. Selikoff said it is up to industry to work out the best work practices, using the best available technology ... constantly improving efforts through research and testing.

In answer to questions, Dr. Selikoff said that the variety of asbestos is not of great significance in the health relationship; that asbestos workers should not be permitted to smoke. Mr. Marsh asked, in view of the hour, would Dr. Selikoff answer, in writing, additional questions of the group. He said he would be happy to do so.

Following luncheon, the members reconvened for a discussion of the asbestos-health issue, led by Philip E. Enterline, Ph.D. of the University of Pittsburgh Graduate School of Public Health. Dr. Enterline said his studies over a period of 14 years, up to 1963, showed 160 deaths from asbestosis in the entire U.S.. He said he "simply doesn't know" where Dr. Selikoff gets his number of deaths, that he may be counting deaths which other physicians might not call asbestos deaths. Dr. Enterline discussed data procedures in the studies of disease and mortality.

He said he thought, contrary to Dr. Selikoff, that the type of asbestos is very important -- that, on the basis of his studies, it appears that crocidolite is far more carcinogenic than chrysotile, but that not enough is known and no one knows what kind of a carcinogenic substance asbestos is. There is a need to know more about the latent period of exposure. Too little about the overload problem of dust inhalation is known. He said no one really knows how asbestos fibers cause cancer or whether it might be impurities about the asbestos fiber which cause the cancer.

Dr. Murphy said that while there may be some errors and defects in what Dr. Selikoff had to say, people do get asbestosis, lung cancer is a real problem, and the major thrust ought to be control of dust and establishment of threshold limit values through careful scientific procedure. He discussed the pathology of mesothelioma and asbestosis. The need for additional data on the cause and incidence of asbestos-related disease was emphasized. Mr. Marsh spoke of efforts being made in this connection.

New Business

The next regular meeting of the Board of Directors was set for Wednesday, March 20, in Washington, D. C., place and time to be announced.

There being no further business, the meeting was adjourned at 3:35 P.M..



R. H. Mereness
Executive Director - Secretary

Research and Engineering Center
December 11, 1968

NOTES FOR THE FILE

Asbestos in Filtration Applications

On December 10 I discussed with Tom Jackson, Celite Division, the various applications of asbestos in the filtration of foodstuffs, beverages, and pharmaceutical products. He suggested that when they returned I contact Gordon Smith and Harry Keefe, Celite Division, who are directly concerned with the marketing of JM products which contain asbestos for filtration purposes.

FIBRA-FLO is the JM tradename for a line of filtration materials which are blends of diatomite and Cassiar asbestos. The type of diatomite in the blend and the percentage of asbestos is varied to give several dozen products in the line. The amount of asbestos ranges from 2½% to about 12%. Most of the products, however, do not exceed 7½% asbestos.

Much of our FIBRA-FLO product line goes into industrial filtration processes. A large quantity is used to filter water for re-injection of oil wells. Jackson did not believe that very much of the FIBRA-FLO went into the foodstuffs industry. The brewing industry, however, is a good customer for FIBRA-FLO and it is used to the extent of 1/10 of a pound of the FIBRA-FLO mixture per barrel (31 gallons) of beer.

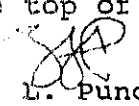
A combination of an acid-washed fiber plus cellulose is used in the form of pads in the pharmaceutical industry. JM does not market this type of product. The so-called "pad filters" usually use Arizona fiber and the acid washing is to remove the calcium carbonate impurities in the fiber. These pad filters are also used as a final filtration step in the beverage industry (for example, soft drinks, clear fruit juices, etc).

Cellulo Company, Sandusky, Ohio and Nafco, ^{Inc} New Jersey, are the major suppliers of pad filters.

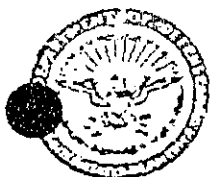
Some industries purchase fiber and cellulose and form the filter pad in their own process. However, when this is done, the filter is referred to as a "pulp filter". Millipore filters are making some inroads into the market served by pad filters.

Vegetable oils are often filtered through asbestos-containing filter material.

Jackson estimated that total asbestos-type filter applications in the United States probably utilized less than 1000 tons of fiber per year. However, this is an "off the top of the head" guess.


F. L. Pundsack

ae



MANPOWER,
RESERVE AFFAIRS
AND LOGISTICS

ASSISTANT SECRETARY OF DEFENSE

WASHINGTON, D.C. 20301

27 JUN 1977

MEMORANDUM FOR DESIGNATED SAFETY AND OCCUPATIONAL
HEALTH OFFICIALS OF THE MILITARY
DEPARTMENTS AND THE DEFENSE AGENCIES

SUBJECT: Trade Name Products with Carcinogenic Hazards

This is to provide you with a National Institute for Occupational Safety and Health (NIOSH) list of products which may contain one or more of the 16 carcinogens that the Occupational Safety and Health Administration regulates.

Your field safety and health personnel should find the enclosed list useful in their hazard surveillance programs. Since manufacturers frequently change their products, verification of constituents should be accomplished as soon as DoD usage has been ascertained. This type of information should be available through DoD channels once our material safety data sheet system becomes operational early next year.

This list was also mailed to about 7 labor unions by the Public Citizen's Health Research Group. Prompt action to insure protection of our employees who work with these products would be prudent.

George Maricthal
Deputy Assistant Secretary of Defense
(Environment and Safety)

Enclosure

cc: ASD (HA)

9-12970

D 000109

N-SHIP 1737

CRMC-SBGAB-000010

TRADE NAMES WITH CARCINOGENIC HAZARDS

TRADE NAME PRODUCT	HAZARD	PERCENTAGE OF HAZARD IN	PRODUCT MANUFACTURER
		TRADE NAME PRODUCT	
Adco Seal B-100	Asbestos	06	0905353
Aerobond 2199 Part A	Asbestos	09	0659607
All Purpose Joint System	Asbestos	01	0033872
Alum Anafix 301 Asbestos Fibred Aluminum Roof	Asbestos	11	0241344
Aluminum Asbestos	Asbestos	50	0347007
Aluminum Roof Coating	Asbestos	03	0096758
Aluminum Roof Coating	Asbestos	10	0452681
Aluminum Roof Coating	Asbestos	07	0462685 -3
Amelco Adhesive	Asbestos	08	0829362
{ Armstrong Epoxy Resin A-6 and Activator	Asbestos	23	0148850
	Asbestos	08	0434983
Armstrong Tile Cement S-90	Asbestos	10	0000367
Asbestile Cement	Asbestos	99	0375573
Asbestine	Asbestos	25	0404087
Asbestine 325 (3X)	Asbestos	99	0452685 -2
Asbestos No. 352	Asbestos	99	0462685 -3
Asbestos 7R-05	Asbestos	99	0000367 -7
Asbestos Fiber 7R06	Asbestos	05	0462685
Asbestos Fibrous Roof & Equundation Coating	Asbestos	99	038981
Asbestos Fibre Shorts 7M-90	Asbestos	19	0434948
Asbestos Plastic Roof Cement	Asbestos	14	0374915
Asbestos Plastic Roof Cement	Asbestos	25	0058348
Asphalt Flashing Cement	Asbestos	13	0096017
Asphalt Plastic Cement No. 050	Asbestos	07	0243164
Babbitrte F30	Asbestos		

N-SHIP 1738

CRMC-SBGAB-000011

TRADE NAME PRODUCT	HAZARD	OF HAZARD IN	
		TRADE NAME PRODUCT	PRODUCT MANUFACTU
Barret Aluminum Roof Coating	Asbestos	09	0109097 <i>Colony</i>
Barret E22056 Wall Covering Cement	Asbestos	09	0109097 <i>Colony</i>
Bitucote Sealer	Asbestos	03	0864365
Black Plastic Cement	Asbestos	10	0000278
Blackline Plastic Cement	Asbestos	05	0099471
Blind Nailing Cement	Asbestos	12	0462681
Bond Master G 458 Series	Asbestos	02	0710821
Bond Master M611	Asbestos	20	0710821
Bond Master W1371 Adhesive	Asbestos	12	07k0821
Buffing & Polishing Compound	Asbestos	01	0989959
Bull's Eye Plastic Cement	Asbestos	10	0058350
Butyl Tite Butyl Rubber Caulk	Asbestos	01	0015666
C-13-C4 Hydralt 800-13	Asbestos	03	0293882
Calidra Resin Grade 244	Asbestos	92	1013956
Carbonite Packing Material	Asbestos	46	0341462
Carbozinc No.11 Green 2G5416	Asbestos	05	0343207
Carey Mastic Heavy Trowel Grade	Asbestos	15	0364250 <i>Colony</i>
Damp Resistant Coating	Asbestos	80	0223783
Celluflow	Asbestos	03	0417127
Chlo Set 200 Birch	Asbestos	02	0214065
Cement & Quarry Floor Tilecement	Asbestos	20	0275035
Cermitalc	Asbestos	02	0015674
Chalking - Glazing Compound	Asbestos	01	0780160
Chemical Sealing SM-902	Asbestos	50	0223783
Chrysolite #5	Asbestos	45	6000192
CM Sealer	Asbestos	04	0254254
Coat Castrol Regal	Asbestos		

N-SHIP 1739

CRMC-SBGAB-000012

TRADE NAME	PRODUCT	HAZARD	PERCENTAGE OF HAZARD	PRODUCT MANUFACTURE
			IN TRADE NAME PRODUCT	
Cold Application Cement		Asbestos	10	0463685 - 3M
Cold Application Cement No.203		Asbestos	01	0048371
Concrecive No.1 Part A		Asbestos	02	0413728
Concresive 1170 Parts A & B		Asbestos	04	0413728
Cooling System Sealer		Asbestos	04	0320009
Cope Seal		Asbestos	34	6000192
Culvert Pipe Joint Compound Talcote		Asbestos	14	0364493
Custom Seal Cope Seal		Asbestos	37	0981739
D-931 Undercoating		Asbestos	05	0725673
Dayco Wood Filler Golden Oak		Asbestos	08	0326842
Double Coverage Cement		Asbestos	10	0058348
Durex Flashing Cement		Asbestos	23	0341053
Duxseal Sealing Compound		Asbestos	50	0462685 3M
E905		Asbestos	01	0154049
Ebibond 122		Asbestos	20	0284558
Elastic Roof Sealer		Asbestos	20	0462681
Elastigum Roof Coating		Asbestos	05	0109097 <i>Relata</i>
Elastigum Roofing Cement		Asbestos	20	0109097 <i>Relata</i>
		Asbestos	05	0284558
Epocast 2-D		Asbestos	01	0284558
Expoxo Floor Coating - Orange		Asbestos	01	0260383
Exterior Caulk 2541		Asbestos	01	0099471
Falcon Expo - Non-Slip Coating		Asbestos	01	0260383
Fedrox Safety Floor & Deck Covering		Asbestos	01	0918549
Fibre Glass Roof Coating		Asbestos	01	0462681
Fireite Asbestos Furnacecement		Asbestos	02	0462685 - 3M

N-SHIP 1740

CRM-C-SBGAB-000013

<u>TRADE NAME</u> <u>PRODUCT</u>	<u>HAZARD</u>	<u>PERCENTAGE OF HAZARD IN</u>	<u>PRODUCT MANUFACTUR</u>
		<u>TRADE NAME</u> <u>PRODUCT</u>	
Fisher Specification 1145	Asbestos	26	0780160
Fisher Specification 1237	Asbestos	10	0780160
Fisher Specification 1300 Deadener	Asbestos	02	0779967
Fisher Specification 1309	Asbestos	05	0780160
Fisher Specification	Asbestos	08	0779967
Flexigum roof Coating Asbestos	Asbestos	05	0109097
FM-37 Core Splice Adhesive	Asbestos	08	0383052
Fruehauf Adhesive Compound	Asbestos	01	6000668
Glazing Compound	Asbestos	02	0076985
Gray Metal Sash Putty	Asbestos	03	0447686
Grip Master Cement	Asbestos	02	0022961
Gripmaster Polishing Wheel Cement	Asbestos	02	0447539
Grizzly Saftigrip #16037	Asbestos	57	0080473
GS-3 Aircraft Sealant	Asbestos	10	0414648
Handi-Gard Asbestos Roof Cement	Asbestos	06	0137159
Heavy Duty Roofing Coating	Asbestos	05	0036004
Heavy Duty Sealer	Asbestos	02	0320009
Hercules Asbestos Turner Cement	Asbestos	02	0055883
Hercules Sta Put Plumbers	Asbestos	03	0055883
High Velocity 10-108	Asbestos	02	0214068
Hydrocide Plastic Heavy Fibrated Bituminous Dampproofing	Asbestos	04	0478483
Hydrocide Semi Mastic Semi Fibrated Asphalt	Asbestos	03	0478483
Hydrosenl Black Cement	Asbestos	09	0462685 S-01
Insulkote Summer Grade	Asbestos	15	0462685 S-10

N-SHIP 1741

TRADE NAME	PRODUCT	OF HAZARD IN		PRODUCT MANUFACTURE
		TRADE NAME	PRODUCT	
Insulmastic	Asbestos	05	0434983	<i>Amstrong</i>
IPM #33	Asbestos	09	6000213	
K92	Asbestos	04	0197510	
K-326	Asbestos	02	0197510	
K-361	Asbestos	02	0197510	
K-682	Asbestos	02	0197510	
Karnak Flashing Cement	Asbestos	25	0058348	
Karnak Insulation Adhesive	Asbestos	10	0058348	
Karnak Plastic Flashing Cement	Asbestos	16	0058348	
Karnak Trowel Mastic 86	Asbestos	19	0058348	
KAYLO	Asbestos	15	0000024	<i>O.C.</i>
KAYO17	Asbestos	11	0000024	<i>O.C.</i>
Knickerbocker Roof Coating	Asbestos	01	0567525	
Liquid Asbestos Fiber Roof Coating	Asbestos	04	0374915	
Loomie Talc	Asbestos	25	0275035	
Luxall Fix It Plastic Cement	Asbestos	12	0704508	
M242 Elastic Glazing Compound	Asbestos	03	0447686	
Mack 2510-45	Asbestos	16	0254254	
Manla Tradesman Plastic Roof	Asbestos	19	0567525	
Mannes Bond Safety Step Paint - Black	Asbestos	04	06435	
Marineco Coatings - Aluminum and Mastic R-13	Asbestos	10	6008157	
Mastic	Asbestos	16	6008104	
Metal Deadener	Asbestos	09	0098090	
Metal Duct Sealer Gray 10-104	Asbestos	02	0316812	
Metallic Sealant	Asbestos	02	0758237	

N-SHIP 1742

CRMC-SBGAB-000015

<u>TRADE NAME</u> <u>PRODUCT</u>	<u>HAZARD</u>	<u>OF HAZARD</u> <u>IN</u> <u>TRADE NAME</u> <u>PRODUCT</u>	<u>PRODUCT</u> <u>MANUFACTURE</u>
Monsey Roof Fix	Asbestos	10	0462681
Mortite 74DBR	Asbestos	25	0441158
MS Plastic	Asbestos	20	0206704
Muffler Compound	Asbestos	28	0779967
Nicolet Asbestos Pipe Line Felt No. 15	Asbestos	89	0884445 N/C.
No Drip Tape	Asbestos	16	0441158
Noah's Pitch	Asbestos	10	0428880
OEM Aluminum Roof Coating	Asbestos	05	0447624
Pabco Wet-Patch Wet Surface Plastic	Asbestos	10	6000483
Palmer Mirro Mastic	Asbestos	06	0098765
Pecora Acitite Cement Type QD 2500F	Asbestos	02	0131390
Pecora BC 158 Butyl Rubber	Asbestos	03	0447686
Pecora Blk Special Mirror	Asbestos	32	0447686
Perm Seal Caulking Compound	Asbestos	05	0297479
Perma Gum Chords	Asbestos	40	0243792
Perma-Seal Caulking Compound Knife Grade #26 Gray	Asbestos	08	0297479
Pergum Sealant	Asbestos	30	0405366
Permaroof Wet Surface Type	Asbestos	02	0241344
Permatex Pipe Joint Compound	Asbestos	03	0260208
Perm-E-Lastic Glazing Compound	Asbestos	06	0211065
Phoenix Asphalt Plastic Cement	Asbestos	19	0068343
Plastic Elasticum	Asbestos	16	0109097 C.C.B.
Plastic Roof Cement 208	Asbestos	05	0048371
Plastic Roof Cement	Asbestos	20	0462685 J.M.
Plastic Roof Cement	Asbestos	15	0832312
Plastic Roofing Cement	Asbestos	20	0462685 J.M.

N-SHIP 1743

TRADE NAME PRODUCT	HAZARD	OF HAZARD IN	
		TRADE NAME PRODUCT	PRODUCT MANUFACTURER
Plastic Roofing Cement	Asbestos	20	0109097 305
Plastic Roofing Cement No. 204	Asbestos	04	0048371
Plastic Roofing Cement	Asbestos	16	6008104
Plastic Roofing Cement	Asbestos	16	6010169
Plastical Expanding Joint	Asbestos	10	0462685
Plastrite Roof Cement	Asbestos	10	0900138
Presstite Products 440.22 Sealer	Asbestos	02	0405366
Pro Seal 700	Asbestos	05	0083854
PTI 707 Architectural Sealant	Asbestos	01	0154049
Quaker Coat Undercoating	Asbestos	10	0080746
Quaker Coat Solvent Type Undercoating	Asbestos	22	6008127
Quakercoat Emulsion Type Undercoating	Asbestos	10	0080746
Radiator Sealer	Asbestos	01	0260208
Redy Coat Rain Patch 406 NTP	Asbestos	14	0515164
Roof Cement	Asbestos	14	6014020
Roof Coating Asphalt	Asbestos	06	0096017
Roof Finish Roofing Cement	Asbestos	10	0462681
Roof Fix Coating	Asbestos	04	0462681
Roof Koter 732-00	Asbestos	05	0352861
Roof Patch	Asbestos	11	0241333
Roof Preservative, Tar & Asphalt	Asbestos	04	0015674
Roofing Mastic	Asbestos	20	6008097
Rutland No. 4 Roofing Cement	Asbestos	12	0146907
SC-150	Asbestos	30	0032589
SG-210 Sealant	Asbestos	05	0414648
SheWin Williams Kemak (R) Hard Set B D65YA	Asbestos	08	0084642

N-SHIP 1744

CRMC-SBGAB-000017

<u>TRADE NAME</u> <u>PRODUCT</u>	<u>HAZARD</u>	<u>OF HAZARD</u> <u>IN</u> <u>TRADE NAME</u> <u>PRODUCT</u>	<u>PRODUCT</u> <u>MANUFACTURER</u>
S.I.S. Cement	Asbestos	10	0109097 <i>Relatex</i>
SM 475 Sealer	Asbestos	05	0780160
SM-856 Chemical Sealing	Asbestos	16	0780160
Stainless Putty	Asbestos	03	0130879
Supercote Roof Preservative	Asbestos	02	0241333
Talcote Cold Plastic Sewer Joint Compound	Asbestos	18	0096017
Thermobestos Pipe Insulation	Asbestos	07	0462685 <i>S.M.</i>
Tite Seal T-25LW	Asbestos	26	0340361
Transite Conduit Joint Sealing Compound	Asbestos	10	0000367 <i>S.M.</i>
Tremco Glazing Compound	Asbestos	02	001567
Tremco Mastic Roof Cement	Asbestos	15	0015674
Tremco Seam Sealer	Asbestos	02	0015674
Tremco Tremfix Emergency Roof Repair Mastic	Asbestos	16	0015674
Tremco 102 Texture Coating	Asbestos	13	0015674
Tremfix Emergency Roof Repairmastic	Asbestos	16	0015674
Tropical Roofkoater	Asbestos	05	0352861
Tru-Seal	Asbestos	13	0981254
Unibestos	Asbestos	41	0016847
Unibestos	Asbestos	71	0241520 <i>12/1</i>
Unipar Mils-7916B	Asbestos	02	0160450
Vulcatex P.G. Caulking Compound	Asbestos	30	0351230
Wall Board Adhesive No.36	Asbestos	12	0740988
Wards Brake Shoes	Asbestos	46	0254594
Weatherized Plastic Cement	Asbestos	01	0109097 <i>Relatex</i>
Weatherproofing Compound C 13A	Asbestos	08	0097785

N-SHIP 1745

CRMC-SBGAB-000018

TRADE NAME	PRODUCT	HAZARD	PERCENTAGE OF HAZARD IN	PRODUCT MANUFACTURER
			TRADE NAME PRODUCT	
Weld Cast CI 200		Asbestos	02	1020622
White Hydrosal #559		Asbestos	08	0469139 - Palco
Winter Plastic		Asbestos	18	0206704
Wood Filler Paste		Asbestos	19	0066304
1-723 Light Gray Anti-Skid		Asbestos	07	0031132
5K04 Asbestos		Asbestos	99	0462685 - J.M.
#7 Roof Cement		Asbestos	31	0146907
7K05 Asbestos		Asbestos	99	0462685 - J.M.
8A Resin		Asbestos	01	0264680
8B Catalyst		Asbestos	03	0264680
#15 Asbestos Finishing Feltperforated		Asbestos	80	0462685
#54 Acoustic R-200		Asbestos	09	0151526
85% Magnesium Insulation		Asbestos	15	0462685 - J.M.
#164 Wet Patch		Asbestos	12	6010025
#165-100 Stapon C Tank Coating White Base		Asbestos	01	0859094
#165-101 C Stapon C Tank Coating Blue Base		Asbestos	01	0859094
#166-5 Epoxy		Asbestos	17	0440316
Asbestos		Asbestos	02	0758237
#352-7M Refractory Cement		Asbestos	99	0000367 - J.M.
#352 Mortar		Asbestos	99	0462685 - J.M.
421.83		Asbestos	07	0405366
600 Putty		Asbestos	01	0015666
#613WB Wet Patch Plastic Cement		Asbestos	23	0677924
627 Tough Film Mortex		Asbestos	03	0098758
#758 Asphalt		Asbestos	06	0098090

N-SHIP 1746

CRMC-SBGAB-000019

TRADE NAME PRODUCT	HAZARD	PERCENTAGE OF HAZARD IN		PRODUCT MANUFACTURER
		TRADE NAME PRODUCT		
#999 Textured Vault Spray	Asbestos	03		0282768
2143B Base	Asbestos	10		0413728
2200 French Provincial Wiping Stain 544-D9-181	Asbestos	02		0032589
2510-45 Insulmat	Asbestos	12		0441158
5030 Hardener	Asbestos	27		0064224
5030 Resin	Asbestos	25		0064224
Benzidine Base	Benzidine	99		0058914
Blue Strip 371-81	Chloroethylene	56		0167311
Chemvic-450	Chloroethylene	47		0321526
Chrome Yellow Paste	Chloroethylene	15		0059049
Dynel	Chloroethylene	60		0102408
Fixative Concentrate 1852	Chloroethylene	34		0892007
Geon 222	Chloroethylene	60		0593176
Geon 552	Chloroethylene	54		0382027
GT-49-5 Power Roll Cam Cleaner-Lube	Chloroethylene	55		0474265
Hycar 1204 X 11	Chloroethylene	29		0236542
Light Chrome Yellow	Chloroethylene	15		0059049
Medium Chrome Green	Chloroethylene	20		0059049
Orange	Chloroethylene	13		0059049
Sarnn	Chloroethylene	13		0579999
TL-500-6-6 Medium Raphael Blue Lacque	Chloroethylene	16		0415471
TL-500-6-10 Editor 2 Blue	Chloroethylene	16		0415471
TL-500 27-14 Olivetti Gray	Chloroethylene	16		0415471
TL-500-27-19 Praxis Gray	Chloroethylene	16		0415471
TL-500 27-24 Dove Gray	Chloroethylene	16		0415471

N-SHIP 1747

		<u>EXTENT OF HAZARD</u> <u>IN</u> <u>TRADE NAME</u> <u>PRODUCT</u>		<u>PRODUCT</u> <u>MANUFACTURER</u>
<u>TRADE NAME</u>	<u>PRODUCT</u>	<u>HAZARD</u>		
TL-500 42-2 Lexicon Tan		Chl ethylene	16	0415471
TL-500 42-4 Sandstone Beige		Chloroethylene	16	0415471
Topaz G77HC114 Wachtung Red		Chloroethylene	50	0084642
V5233 Dulling Agent Top Coat		Chloroethylene	12	0488524
Vinylite Paste		Chloroethylene	20	0059049
VS 6001 Cement		Chloroethylene	30	0211273
Ø1268 Vinyl		Chloroethylene	23	0207125
Thixon B		Methylenebis (2-Chloroaniline) 4,4'	12	0385830
Ø113-2 Epoxy		Methylenebis (2-Chloroaniline) 4,4'	09	0440316
Santo Flex 13		4-Aminodiphenyl	02	0389305

N-SHIP 1748

CRMC-SBGAB-000021

PRODUCT MANUFACTURER CODE REFERENCES

0007 1511

0000024 Owens-Corning Fiberglas Corp. P.O. Box 901 Toledo, OH 43659	0055883 Hercules Chemical Co. Inc. 84 Fifth Ave. New York, NY 10011
0000367 Johns-Manville Pdts. Corp., Greenwood Plaza Denver, CO 80236	0058348 Karnak Chemical Corp. 330 Central Ave. Clark, NJ 07066
0000856 Tuff Kote Co. Inc. 210-14 S. Seminary Woodstock, ILL 60098	0058350 Gardner-Martin Asphalt Corp. Florida Asphalt Div. P.O. Box 5776 Tampa, Fla 33605
0015666 Dunn-Rainey Co. Inc. 3265 Bermuda St. Ferndale, Mich. 48220	0058914 Allied Chemical Corp. P.O. Box 3000 Morristown, NJ 07960
0015674 Tremco Mfg. Co. 10701 Shaker Blvd. Cleveland, OH 44104	0059049 Inmont Corp. IPI Div. 1133 Ave. Americas New York, NY 10036
0016847 Thiokol Chemical Corp. P.O. Box 27 Bristol, PA 19007	0064224 Philadelphia Resins Co. Inc. P.O. Box 454 Montgomery, PA 18936
0022961 Lea Mfg. Co. P.O. Box 71 Waterbury, CT 06720	0066304 Lawrence Mc Fadden Co. 7430 State Rd. Philadelphia, PA 19136
0031132 Matcote Co. Inc. P.O. Box 10762 Houston, TX 77018	0068343 Fry, Lloyd A. Roofing Co. 5818-24 S. Archer Rd. Argo, Ill 60501
0032589 Reliance Universal Inc. Tex. P.O. Box 1113 Houston, TX 77001	0076985 Deshler Products Co. 299 Chestnut Dr. Deshler, OH 43516
0033872 Hamilton Materials Inc. 345 W. Meats Ave. Orange, CA 92667	0080473 Maremont Corp. Grizzly Div 700 W. Caroline Paulding, OH 45879
0036004 Southwestern Petroleum Corp. P.O. Box 789 Fort Worth, TX 76101	0080746 Quaker State Oil Refining Center St. Oil City, PA 16301
0043532 Manus Products Co. Inc. 2611 W. 14 Mile Rd. Royal Oak, MI 48073	0093854 Teledyne Inc. Teledyne Coast Pro-Seal Di P.O. Box 54748 Termin. Compton, CA 90221
0047339 Lea-Michigan Inc. 237 E. Aurora St. Waterbury, CT 06708	0084642 Sherwin-Williams Co. 101 Prospect Ave. NW Cleveland, Ohio 44115
8371 Henry, W. W. Co. 2608 Soto Huntington Pk., CA 90255	

N-SHIP 1749

CRMC-SBGAB-000022

0096017	American Petrofina P.O. Box 2159 Dallas, Tx 75221	0151526	Roach Paint Co. Inc. 1306 River St. Dallas, TX 75202
0097785	Flinnko Co. Central Ave. & Oak S&E Rutherford, NJ 07073	0154049	Protective Treatments Inc. P.O. Box 14116 Dayton, OH 45414
0098090	Intercoastal Paint Corp. 2320 Edgewater Baltimore, MD 21222	0160450	Parker-Hannifin Corp 17325 Euclid Ave. Cleveland, OH 44112
0098758	Mortell Co. 23333 Sherwood Warren, MI 48091	0167311	Reliance Universal Inc. II 1901 Sheridan Rd. N. Chicago, ILL 60064
0098765	Palmer Asbestos & Rubber Corp. 146 St. Matthews Ave Louisville, KY 40207	0187114	Dart Industries Inc. Fiber 1701 N. Heidelberg Ave. Evansville, IND 47717
0099471	Southern Protective Pdts. Co. P.O. Box 10915 Atlanta, GA 30310	0197510	Kalman Paint & Chemical C. 33 Tucker St. Trenton, NJ 08618
0102408	Union Carbide Corp. 270 Park Ave. New York, NY 10017	0206704	Union Chemical & Oil Co. 3211 S. Wood Chicago, ILL 60608
0109097	Celotex Corp., The P.O. Box 22602 Tampa, Fla 33607	0207125	Lilly Industrial Coatings 666 S. California Indianapolis, IN 46225
0130879	Black Swan Manufacturing Co. 4540 W. Thomas St. Chicago, ILL 60651	0211065	Perfection Model Products 4145 W. Kinzie Ave. Chicago, ILL 60624
0131390	Pecora Corp Texas 2601 Oakland Ave. Garland, TX 75040	0211259	Moyen C.P. Co. 8157 Monticello Skokie, ILL 60076
0137159	Handi Products Co. P.O. Box 1955 Cleveland, OH 44106	0214068	Chicago Plastic Co. 7100 N. Mannheim Rd. Des Plaines, ILL 60018
0146907	Rutland Fire Clay Co. Inc Curtis Ave. Rutland, VT 05701	0223783	Cellulo Co. 1321 First St. Sandusky, OH 44870
0148850	Armstrong Products Co. Inc. P.O. Box 657 Warsaw, IND 46580	0236542	Goodrich, B.F. Co. Goodrich, B.F. Chemical 8 Main St. Akron, OH 44318

N-SHIP 1750

CRMC-SBGAB-000023

0352861	Grow Chemical Corp. Tropical Paint Div. 1246 W. 70th St. Cleveland, OH 44102	0415471	Sprayon Products Inc. 26300 Fargo Ave. Cleveland, OH 44146
0364250	Celotex Corp., The Phillip Carey Co. Div. Smith St. & Convery Blvd. Perth Amboy, NJ 08861	0417127	Laurence-David Inc. P.O. Box 2484 Eugene, OR 97403
0364493	Hydro Conduit Corp. P.O. Box 1609 Albuquerque, NM 87103	0428680	Celotex Corp., The Phillip Carey Co. Div. 320 S. Wayne Ave. Cincinnati, OH 45215
0374915	De Witt Products Co. 5860 Plumer Ave. Detroit, Mich 48209	0434948	Midwest Products of Illin 7327 S. Woodlawn Chicago, ILL 60619
0375573	Pfizer Inc. 235 E. 42nd St. New York, NY 10017	0434983	Armstrong Cork Co. W. Liberty & Charlotte St Lancaster, PA 17603
0382027	Goodrich, B. F. Co. 500 S. Main St. Akron, OH 44318	0440316	Ablestik Laboratories 833 W. 182nd St. Cardena, CA 90247
0383052	American Cyanamid Co. Berdan Ave. Wayne, NJ 07470	0441158	Mortell Co. 550 N. Hobbie Ave. Kankakee, ILL 60901
0385830	Whittaker Corp. Dayton Chemical Products Div. Electric St. Alexandria, OH 45318	0447624	Electric Paint & Varnish 8001 Franklin Blvd. Cleveland, OH 44102
0389305	Monsanto Co. 800 N. Lindbergh Blvd. St. Louis, MO 63166	0447686	Pecora Chemical Corp. 165 Wambold Rd. Harleysville, PA 19438
0389817	Thompson-Hayward Chemical Co. P.O. Box 2383 Kansas City, KS 66110	0462681	Monsey Products Co. Cold Stream Rd. Kimberton, PA 19442
0405366	Inmont Corp. 3738 Chouteau Ave. St. Louis, MO 63110	0462685	Johns-Manville Corp. P.O. Box 5108 Denver, CO 80217
0413728	Adhesive Engineering Co. 1411 Industrial Rd. San Carlos, Cal. 94070	0469139	Pabco Paint Corp. 1710 59th St. Oakland, CA 94608
0414648	General Sealants Inc.	0474265	Ames Supply Co. 2537 Curtiss St. Downers Grove, ILL 6051

N-SHIP 1751

0478483 Sonneborn Building Products
7777 Computer Ave.
Minneapolis, MN 55435

0488524 R. A. Chemical Co.
774 E. 43rd St.
Brooklyn, NY 11210

0515064 Gilsonite Inc.
2946 NE Columbia Blvd.
Portland, OR 97211

0567525 Seaboard Plastics Corp.
10 Washington Ave.
Irvington, NJ 07111

0579999 Amtch Inc.
Telegraph Rd.
Odenton, MD 21113

0593176 Goodrich, B.F. Co.
3135 Euclid Ave.
Cleveland, OH 44115

0677924 Marvin Corp. The
Bluff Rd.
Montebello, CA 90640

0704508 National Mfg. Corp.
153 Fillmore Ave.
Tonawanda, NY 14150

0710821 National Starch & Chem
225 Bellville Ave.
Bloomfield, NJ 07003

0725673 Mostell Inc.
1926 Leininger
Ellettsville, IN 46514

0740988 Ohio Sealants Inc.
7249 Commerce Dr.
Mentor, OH 44060

0758237 Imprex Inc.
3260 S. 108th St.
Milwaukee, WI 53227

0779967 Nortell Co.
Industrial Blvd.
Griffin, GA 30223

0780160 Chemical Sealing Corp.
2018 Steel Dr.
Tucker, GA 30084

0829362 American Elastomer Co.
400 Linden
Wilmette, ILL 60091

0832312 Alcantraz Co. Inc. The
1900 Ellen Rd.
Richmond, VA 23230

0859094 Standard Paint & Varnish
3300 River Rd.
Harvey, LA 70058

0864365 Bitucote Products Co.
Smaller Rd. & Big Four RR
Cincinnati, OH 45215

★ 0884445 Nicolet Industries
N/E Wissahickon & Maple
Ambler, Pa. 19002

0892007 Roymal Co.
Guild Rd.
Newport, NH 03773

0900138 Coopers Creek
Chemical Corp.
W/S River Rd.
W Conshohocken, PA 19428

0905353 Adco Michigan
4401 Page Ave.
Centre, MI 49254

0918549 AM Adhesive Metals Co.
460 Coit St.
Irvington, NJ 07111

0961254 Elixer Industries
17809 S. Broadway
Gardena, CA 90248

0981739 Bitco Sealant Inc.
5937 St. Louis Ave.
St. Louis, MO 63120

0989959 Harrison Co. Inc.
487 Groveland
Haverhill, MA 01830

N-SHIP 1752

6013956 Union Carbide Corp.
4625 Royal
Niagara Falls, NY 14302

1020622 Youngstown Sheet & Tube Co.
100 S. Lincoln
Sand Springs, OK 74063

6000192 Bidco Sealants
5939 St. Louis Ave.
St. Louis, MO 63120

6000213 Gibson Romans
1623 E. Euclid Ave.
Des Moines, IA 50313

6000483 Napco Corp.
40600 Albrae Drive
P.O. Box 1910
Fremont, CA 94538

6000668 Stedi Products Co.
3802 E. 91st St.
Cleveland, OH 44105

6008065 Gibson Roman Co.
810 Market Ave.
Richmond, CA 94804

6008097 National Varnish Co.
609 St. Jean
Detroit, MI 48214

6008104 Overall Paint Inc.
26200 Richmond Rd.
Cleveland, OH 44146

6008127 Southwest Grease & Oil
Rural Rt. 1
Bakerstown, PA 15002

6008157 Unicorn Chemical Coating Inc.
Standard Paints
700 Allston Way
Berkeley, CA 94710

6010025 American Tar Co.
1700 Nothlake Way
Seattle, Wa. 98103

6010169 Overall Paint Inc.
P.O. Box 860
Cleveland, OH 44122

6014020 Dewitt Products Co.
5860 Plumer Ave.
Detroit, MI 48209

N-SHIP 1753

LISTING OF ASBESTOS CONTRACTS AWARDED BY THE GENERAL SERVICES ADMINISTRATION

<u>CONTRACT (No., Negotiated or IFB, and Authority)</u>	<u>PURCHASER</u>	<u>TYPE OF ASBESTOS</u>	<u>QUANTITY IN CONTRACT</u>	<u>DATE OF CONTRACT</u>	<u>MIN NO.</u>	<u>HEALTH & SAFETY INFO INCLUDED IN CONTRACT</u>
GS-00-DS-(S)-01348, N, PL 89-463	North American Asbestos Corp.	Crocidolite Asbestos Grade S	50 (ST)	6/19/70		None
GS-00-DD-(S)-11012, N, (DPA)	Jaquays Mining Corp.	Chrysotile Asbestos Crude #1	305 (ST)	7/20/70	DMS-MIN-71	None
GS-00-DD-(S)-11102, Sample Sale (letter agreement), (DPA)	The Cellulo Co.	Crocidolite Asbestos Crude #1	500 lb Sample	6/21/71	PMDS-MIN-158	None
GS-00-DS-(S)-13007, N, PL 89-463	Asbestos Corporation of America	Crocidolite Asbestos Grade S	5 (ST)	7/20/70		None
GS-00-DS-(S)-13034, N, PL 89-463	North American Asbestos Corp.	Crocidolite Asbestos Grade S	120 (ST)	8/17/70		None
GS-00-DS-(S)-13040, N, PL 89-463(should read PL 89-422?)	North American Asbestos Corp.	Amosite Asbestos Grade D3	100 (ST)	8/24/70		None
GS-00-DS-(S)-13044, N, PL 89-463	Asbestos Corporation of America	Crocidolite Asbestos Grade S	16 (ST)	8/25/70		None
GS-00-DS-(S)-13051, I, PL 91-329	Uniroyal Inc.	Chrysotile Asbestos Grade C and G1	50 (ST)	8/24/70	PMDS-MIN-141	None
GS-00-DS-(S)-13052, I, PL 91-329	Jaquays Asbestos Corp.	Chrysotile Asbestos Crude 2 and 3	1627 (ST)	8/24/70	PMDS-MIN-141	None
GS-00-DS-(S)-13055, N, PL 89-463	North American Asbestos Corp.	Crocidolite Asbestos Grade S	90 (ST)	9/4/70		None
GS-00-DS-(S)-13064, N, PL 89-422	North America Asbestos Corp.	Amosite Asbestos Grade DX	500	9/17/70		None

AL102

CU06931



U.S. Department of Justice

RECEIVED
/s/ Phillip D. Buckley
JUL - 9 1982

SLGorland:jf

Washington, D.C. 20530

RUDMAN & WINCHELL
LAW OFFICES

July 1, 1982

Telephone: (202) 724-7404

John H. Montgomery
Jensen, Baird, Gardner & Henry
477 Congress Street
Portland, Maine 04101

Dear Jack:

Pursuant to your request during last week's telephone conversation, I have enclosed a list of stockpiled asbestos disposal contracts by the General Services Administration, arranged by stockpile depot location. The list does not purport to be all inclusive or exhaustive; however, we do believe that it is relatively complete. Bear in mind that the listing does not contain the actual purchaser which, in some cases, was different than the company to which the asbestos was destined. I am forwarding one other copy of this listing to your Asbestos Library.

Any further inquiries should be directed to Assistant United States Attorney Paula Silsby, who has assumed primary responsibility for the Maine asbestos litigation.

Very truly yours,

SCOTT L. GORLAND
Trial Attorney, Torts Branch
Civil Division

Enclosures

cc: All counsel of record (w/o encl.)

MAD LIB (w/encl.)

Paula D. Silsby
Assistant U.S. Attorney
P.O. Box 1588
Portland, Maine 04104

CRMC-SBGAB-000028

Defense Depot, Memphis, Tennessee

Asbestos

OSR	Contract - Type & Grade	Dest. Shipped	Amount	Routing	Destination
2370	23033 Chrysotile Grade 2	8-19-71	89,397	SSW-PC	Cellular Corp. Louisville, Ky. OH.
2371	"	"	72,419	SSW-SP	Cellular Corp. Louisville, Ky. OH.
2394	"	11-1-72	73,157	SSW-SP	"
2395	"	11-1-72	155,700	SSW-PC	Cellular Corp. Louisville, Ky. OH.
2492	43216 Chrysotile, Grade 1	3/25/74	43,000	Nbr. SSMW	Grout & Seal Asbestos Corp. P.O. M. L. & Asbestos Corp. S. B. Co. N.Y.
2496	"	4/12-74	34,000	"	"
2498	"	4/29/74	40,000	"	"
2504	"	9-9-74	42,000	"	"
2505	"	10-10-74	41,991	"	"
2506	"	11-6-74	34,000	"	"

(12)

NEW HAVEN, INDIAN

OR	CONTRACT	TYPE & QUANT	DATE SHIPPED	QUANT	ROUTING	DESTINATION
9200	SAFETY	CHARLOTTE 1	2-14-66	15	PARCEL POST	HULLY CORP. ROCKFELLER CENTER NY NY
9201	"	"	3-22-66	5	"	FRANK G. RUGGLES CO. SPRINGFIELD ILL. NY
9202	"	CHARLOTTE	2-14-66	5	"	"
9203	"	CHARLOTTE 1	5-19-66	5	"	"
1023	"	"	6-19-67	5	"	"
1023	"	CHARLOTTE	5-18-67	5	"	"
1545	"	AMSTERDAM	8-14-68	2	"	"
1544	"	CHARLOTTE	10-2-68	2	"	SAQUARI ASBESTOS CORP. PHOENIX ARIZONA
1565	"	"	10-3-68	13	"	"
1511	"	CHARLOTTE 1	2-12-69	10	HAND CARRIED	METATE ASBESTOS CORP. GLOBE "
2210	"	"	1-29-70	15	PARCEL POST	SAQUARI ASBESTOS CORP. PHOENIX "
2285	"	AMSTERDAM 13	2-24-70	2	"	H. S. LEVIN ASBESTOS CORP. NEWARK NJ
2704	"	CHARLOTTE 2	11-10-70	2	HAND CARRIED	CELLULO CO. SANDUSKY, OHIO
2703	"	"	11-10-70	10	"	"
2140	"	CHARLOTTE	2-24-72	10	PARCEL POST	SAQUARI ASBESTOS CORP. PHOENIX AZ
4743	"	CHARLOTTE 1	1-2-74	5	"	SAQUARI ASBESTOS CORP. NEW YORK NY

CRMC-SBGAB-000030

Johns-Manville

Internal Correspondence

To: T. M. Jackson - 2 West

Date: November 19, 1973

From: F. B. Hutto Jr. - R&D Center

Copies:

Subject: ASBESTOS PAD MANUFACTURERS MEETING
7-11:00 p.m., COLONY TOWER RESTAURANT
SUFFERN, NEW YORK
November 14, 1973

At Bob Jones' suggestion, I attended a meeting of the Asbestos Filter Pad Manufacturers to serve as an observer and glean what feedback I could as to their position in the matter of Asbestos Filter Pads and Health.

In attendance at the meeting were representatives from Gusmer, Alsop, Nafco, Ertel, Matt Swetonic, (now with a New York PR firm), and myself.

Basically, they were trying to decide what their actions (if any) should be in light of the new regulations published in the Federal Register having to do with using asbestos filter pads in the processing of parenteral liquids. Specifically, the new regulations seem to indicate that if asbestos pad filters are used, a post filter (trap filter of unspecified type) must be used. They were pleased that the use of pads in food and drug filtration was not mentioned. After considerable discussion, they decided that all should write letters to the FDA stating their willingness to go along with the regulation and their pleasure at having no restriction on food and drugs.

Matt Swetonic promised to draft a letter containing the kind of information that should be conveyed.

There was some discussion of Dr. Gross' recent paper which indicated that fibers shorter than 5 microns were not a problem. Also that fiber bundles rather than monofibers appeared to be the problem. Heating to 900-1000°C was also said to reduce the fibers to the "nuisance dust" category.

I gave no opinions and promised no action on J-M's part.

F. B. Hutto Jr.
F. B. Hutto, Jr.

kjm

cc:

H. R. Keefe - 2 West
R. K. Jones - 2 West
S. Speil

CRMC-SBGAB-000031

65 247

BE-T

DOCUMENT REQUEST FORM

INITIALS

DATE

MIL

5/25

ACCESSION NUMBER

090041

BOX NUMBER

SBA 1393

SEGMENT NUMBER

2

NUMBER OF PAGES

5

DESCRIPTION

IOM - 9/10/59

From: T. J. Baxton, by mail, Chief, Research
To: Milt. List

Sub. Visit of Bureau rep. to Elec. Dist. Co. to
Witness Test Application of Urethane
Foam on Missile Tubes as Insulating
Matl.

File: 10320 SEPT 59

CRMC-SBGAB-000032

3006 1048

SBA

Rec'd. 9-24-59
MAIL CONTROL SHEET
INCOMING AND OUTGOING
12ND MINS 25 (REV. 4-59)

NAVE ISLAND NAVAL SHIPYARD
VALLEJO, CALIFORNIA

Nº 1925

FROM/TO

BUSHIPS

LETTER NO.

J7-9/1(791)

Ser 791-1939

DATE OF LETTER

9-10-59

9-10-59

SUBJECT
VISIT OF BUREAU REPRESENTATIVES TO ELECTRIC BOAT COMPANY
BOAT COMPANY TO WITNESS TRIAL APPLICATION OF URETHANE FOAM
ON MISSILE TUBES AS INSULATING MATERIAL

FILE NO. TO BE USED ON ALL OUTGOING
CORRESPONDENCE RESULTING FROM THIS LETTER

10320

DATE ACTION REQUIRED (KEYED DATE)

CODE	RELEASED BY		COMMENTS
	INIT	DATE	
210	gzw	9/4	
214	gzw	9/5	
238	gzw	9/1	What are we using on SSBN 600?
214	gzw	9/1	Note Liaison at EB reports on 9/16/59 that this dead for time being. Maybe specified on 608 class
340	com	9/28	
244	DAH	9/28	
265	gzw	9/30	
350	NRK	10/2	365-900 9/30/59
370	10-7	10/8	Reen-lyz Code 372
368b	NBC	10/9	Cherney
863			FOR FILING

SEP 23 1959

SEP 23 1959

SEP 30 1959

INSTRUCTIONS REGARDING INCOMING CORRESPONDENCE

1. Report CHANGES IN ROUTING to Code 862, Telephone 117.
2. Do not detach BASIC CORRESPONDENCE from Mail Control Sheet.
3. Upon COMPLETION OF ROUTING forward promptly with attachments to Central Files.
4. Report to Code 863, Telephone 7206, if correspondence is to be RETAINED FOR MORE THAN 30 DAYS.

ACTION TAKEN

SERIAL NO. OF REPLY	DATE
MESSAGE	DATE

CRMC-SBGAB-000033

0006 1059

SBA



DEPARTMENT OF THE NAVY
BUREAU OF SHIPS
WASHINGTON 25, D. C.

1925
IN REPLY REFER TO
J7-9/1(791)
Ser 791-1939
10 Sep 1959

From: Chief, Bureau of Ships
To: Distribution List

Subj: Visit of Bureau Representative to Electric Boat Company to
Witness Trial Application of Urethane Foam on Missile Tubes
as Insulating Material.

Ref: (a) BUSHIPS NOTICE 10320, Ser 791-1923 of 2 July 1959

1. Electric Boat Division of General Dynamics Corporation is conducting an investigation to determine the feasibility of spraying a rigid polyurethane foam on the exterior of the missile tubes of the SSBN598 Class submarines. The practice followed on the U.S.S. GEORGE WASHINGTON (SSBN598) was to cover the exterior of the tubes with cork insulation which in turn is wrapped with asbestos lagging. The complexity of exterior surfaces makes this a difficult job because of the great amount of cutting and fitting of the cork blocks that must be done. Unofficial estimates made by Electric Boat indicated that 30,000 man hours would be required to insulate all the missile tubes on the SSBN598. Preliminary investigations made by Electric Boat showed that a sprayed-on polyurethane insulation could be applied in approximately 2,500 man hours.

2. Electric Boat invited two suppliers of urethane foam material to demonstrate the spray application of polyurethane to a section of a missile tube mock-up. The missile tube section used for the demonstration comprised approximately 1/3 of the entire tube. Each company was to spray 1/2 of the test section. The Bureau was invited to send representatives to witness the application. Representatives from Codes 342C, Plastics and Dielectrics and 790, Industrial Tools and Equipment attended.

3. The first step in this process was to mask-off those areas which were not to be covered by the foam. This was done by taping sheets of polyethylene film over or around areas to be protected. In this instance there was more masking to be done than would ordinarily be required. Since this was a mock-up there were numerous valves, fittings and hydraulic and electric lines in place which would not be installed during the regular schedule of production until after the insulation was applied. In the spray process the two components are delivered to the spray gun through separate lines, mixed in the

CRMC-SBGAB-000034

0006 1050

SB

head of the spray gun or in the spray pattern, and sprayed in the conventional manner. The section of the missile tube selected for this trial application was approximately 10 feet high and 7 feet in diameter. The lines, valves, piping, fittings, etc. which were already in place made the spray job much more difficult than it would ordinarily be if done in its proper sequence. Because of the experimental nature of this job and the many interruptions that necessarily took place, it is difficult to estimate the actual spray time required to coat the test section. A good estimate would be around four hours. It appears that under more favorable conditions and with more experience, the entire outside surface of one missile tube could be given a 2" thick spray coating of urethane foam in one shift, not including preparation and clean-up time. This contrasts with the present practice by which only two courses of cork block around the periphery of the tube can be installed in one shift. The finish surface of the foam is not completely smooth and uniform. An experienced spray man using good commercial equipment could hold a thickness tolerance of plus or minus 1/4 inch. If it is determined that a better appearing surface is required, the material can be easily smoothed with ordinary woodworking tools (planes, sanders, files etc.). This, however, would remove some of the protective skin and might make the application of a protective coating necessary.

4. There are a wide variety of rigid polyurethane foams available that will provide the insulating properties required, but information is lacking on their other properties. Specification MIL-P-21929(SHIPS) covers rigid foams of 2 pounds per cubic foot nominal density for void filling and buoyancy applications. Development work is now being undertaken by the Material Laboratory, New York Naval Shipyard, to expand this specification to include materials for thermal insulation. Pending outcome of this work, the pertinent requirements of the above specification are being specified for trial installations. Further effort remains to be made in obtaining satisfactory fire retardant polyurethane foams. Equipment for the spray application of polyurethane foam is available commercially. Such equipment consists essentially of the following components:

- a. Product containers to hold the two components.
- b. Heating equipment to bring the materials to required temperature together with temperature controlling and indicating instruments.
- c. Pumping equipment to deliver the components through separate lines to a two component spray gun.

J7-9/1(791)
Ser 791-1939

d. Some means to atomize and spray the material on the surface.

e. Flow-meters, proportioning pumps or other means of measuring and controlling the ratio of the two components delivered to the spray gun.

Some of the essential points which should be considered in the development or specification for equipment of this type for shipyard use are as follows:

a. Product containers on most commercially available urethane spray equipment are small. For large scale production applications it may be necessary to add pumping equipment to deliver material directly from large drums. The constant addition of material to these small containers offers too great an opportunity for error whereby the wrong material could be added to a partly filled container and cause an immediate foaming reaction.

b. Equipment should be as compact and light in weight as possible especially for submarine work. In some cases it may be necessary to limit the size of each component in order that it can be passed through a submarine hatch.

c. Product delivery hoses should be at least 25-50 feet in length and should be heated to prevent excessive temperature drop in the material.

d. Spray gun should be as light in weight and compact as possible.

e. Although both compressed air and hydraulic pressure can be used for atomizing the material, the latter offers certain apparent advantages in the reduction of fogging and overspray.

f. Equipment should be designed and constructed to withstand the rigorous handling that can be expected in Naval Shipyard use.

A partial list of manufacturers known to supply equipment of this type includes the following:

A. Gusmer Inc.
Woodbridge, N. J.

Electro-Chemical Engineering & Mfg. Co.
750 Broad Street
Emmaus, Pa.

J7-9/1(791)
Ser 791-1939

Archer-Daniels-Midland Corp.
Minneapolis, Minn.

Martin Sweets Co.
114 South First St.
Louisville, Ky.

Pyles Industries Inc.
20855 Telegraph Rd.
Detroit, Mich.

Jennings Engineering Co.
3444 Ludlow St.
Philadelphia, Pa.

DeVilbiss Co.
Toledo, Ohio

5. The purpose of this letter is to provide advance information regarding the investigation of a process which offers a tremendous potential for saving of man hours in ship construction and repair. Considerable study of the results of this trial remains to be done by the Bureau before a determination can be made regarding the approval of this method of applying insulation. Reference (a) described the extent of work in process at various Bureau of Ships activities to investigate equipment for use in applying plastics and plastic coatings. The results of this work should be closely followed because of its importance in the event that spraying of polyurethane foam for insulating purposes becomes an accepted practice.

6. This letter is not to be construed as authorizing the application of polyurethane foam insulation as a substitute for presently approved methods without prior approval from the Bureau of Ships.

DISTRIBUTION LIST

ENCL LI	NAVSHIPYD
IS	SUPSHIP-INSO
U/O	NAVREPTAC

T. J. Banvard
T. J. BANVARD
By direction

Copy to:

**GENERAL SERVICES ADMINISTRATION
DEFENSE MATERIALS SERVICE
RECORD OF SAMPLES TRANSMITTED AND
REQUEST FOR ANALYSES**

FILE *Tosad Inspection*

1. DATE: **6/19/67**

2. MATERIAL CONTRACT NO.

3. MATERIAL (Grade and Type): **ASBESTOS, Chrysotile, Arizona, Crude # 3**

4. NUMBER AND ADDRESS OF REGION CONCERNED:
**Chief, Inspection Branch
General Services Administration
Property Management & Disposal Service
Inventory Management Division
Rm. 1276, 219 SS Dearborn St., Chicago, Ill. 60601
Cellulo Company
1321 First Street
Sandusky, Ohio 44870**

5. EX VOUCHER (If any):

6. PROGRAM: **DPA**

7. NAME AND ADDRESS OF MATERIAL SUPPLIER:

TO THE ANALYST—It is requested that analyses, including preparation if necessary, in accordance with stated provisions and specifications, be made on samples identified below.

ANALYST'S SAMPLE NO. (8)	GOVERNMENT'S SAMPLE NO. (10)	LOT NO. AND MARKS (11)	NUMBER AND TYPE OF UNITS (12)	WEIGHT OF LOT (13)
	#1, 5 lbs.	American Fiber Corporation	3,289 Bags	323,580 lbs.
	#2, 5 lbs.	Metate Asbestos Mine Co.	3,607 Bags	359,374 lbs.
	#3, 5 lbs.	Western Chemical & Eng. Co.	1,059 Bags	105,950 lbs.
	#4, 5 lbs.	Bear Canyon Mining Co.	1,546 Bags	105,549 lbs.

14. MANNER TRANSMITTED: ☐ TAKEN BY ANALYST ☐ DELIVERED DIRECT ☐ BY EXPRESS ☒ BY MAIL

15. DETERMINATION: ☐ ALL CHEMICAL AND PHYSICAL REQUIREMENTS OF SPECIFICATION NO. ☐ THE FOLLOWING ONLY

16. AUTHORITY: ☐ SERVICE CONTRACT ☐ ON MARKET BASIS WHICH NO CONTRACT EXISTS ☐ BY AGREEMENT WITH SUPPLIER ☐ OTHER (Specify)

17. PURPOSE: ☐ GOVERNMENT CONTROL ☐ INSURE ☐ OTHER (Specify)

18. PORTIONS OF THE PREPARED SAMPLES SHALL BE DISTRIBUTED BY THE ANALYST: ☐ MATERIAL SUPPLIER ☐ INSURE (Specify) ☐ OTHER (Specify)

19. PLACE SAMPLED: **Casad Depot, New Haven, Indiana**

20. DATE(S) SAMPLED: **6/16/67**

21. DISPOSITION OF SAMPLES:

22. REMARKS:

COPIES OF THIS FORM		ANALYSIS CERTIFICATES		INVOICE (In duplicate)	
Original and two (2)	Mail to Analyst Shown Above (If possible, one of these copies shall accompany the sample. One copy shall be completed by analyst and sent to region above.)	5	Material Supplier		Material Supplier
1	Direct to Region Shown Above	3	General Services Administration Defense Materials Service Inspection Division Washington 25, D. C.		General Services Administration Comptroller Region No. (Full address)
1	General Services Administration Defense Materials Service Inspection Division Washington 25, D. C.	1	With Analyst		Other (Specify)
1	Retained By Transmitter		Other (Specify)		

23. REQUESTED BY (Signature and title): **Norman Miller, FMS Inspector**

24. RESULT REQUIRED BY:

25. SAMPLES RECEIVED BY (Signature):

DATE:

GSA WASH DC 61-11053

If more space is required, continue on reverse (Tumble Style)

GSA FORM APR 61 1269

CRMC-SBGAB-000038

Regional Director - SD
Chicago, Illinois
Attention: 5DMI

Director, Inspection Division DMI

JUN 19 1967

DMI

Casad - Samples of Asbestos, Chrysotile,
Arizona Crude No. 3

As per telephone conversation of June 14, please forward samples of
Arizona Chrysotile Crude No. 3 to Cellego Company, 1321 First Street,
Sandusky, Ohio. One sample of each from the following sources of
supply:

American Fiber Company
Western Chemical and Manufacturing Company
Bear Canyon Mining Company
Monte Asbestos Mines Company

A letter of transmittal is not necessary when forwarding the samples.

(Signed) W. K. Lazear

W. K. Lazear

cc:

Chief, Inspection Branch - DMI - Chicago, Illinois
File - Asbestos - Chrysotile - Casad - DMI - Room 5014

DMI:RJDundon:bl - 6/19/67

PWS

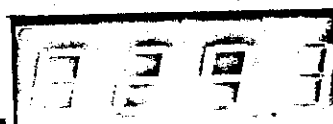
[Handwritten signature]

CRMC-SBGAB-000039

DOCUMENT REQUEST FORM			INITIALS	DATE
			CA12	10-9-81
ACCESSION NUMBER	BOX NUMBER	SEGMENT NUMBER	NUMBER OF PAGES	
19-61A-2511-140	DC 289	01 last	3	
DESCRIPTION				
Memo Dated 5 Dec 58 From: Edward Wagner, Head, Chemistry, R & D Div. Naval Engineering To: The Cellulose Co. File "J3 (Vol. 2) Fr. 7/1/58"				

CRMC-SBGAB-000040

SUT0012



ENCLOSURE MAILED

ORIGINATING CODE

342

NAME _____

J. C. Martin

EXTN 6258

DATE _____

~~435-103~~

[illegible]

STRENGTHENING, TRAINING, LOCAL AND SKILL AND TO FOLLOW ON TRAINING

U.S. GOVERNMENT PRINTING OFFICE: 1960 O-580713

CRMC-SBGAB-000041

SUT0012

J3(342)
Ser 342-627

5-DEC 1958

The Cellulo Company
Sandusky, Ohio

Gentlemen:

A copy of Specification MIL-F-21483 (SHIPS) of 24 September 1958 entitled "Fiber, Asbestos, Filtering Grade" is forwarded for information.

The cooperation extended to the U.S. Naval Engineering Experiment Station, Annapolis, Maryland, in the development of this specification is greatly appreciated.

Sincerely yours,

Encl:
(1) Spec MIL-F-21483

Edward W. Wagoner
Head, Chemistry Section
Research & Development Division
By direction of Chief of Bureau

Copy to:
(See attached list)

Prepared by F.C. Martino, Ext. 41255
Typed by E.M. Cooper, 12/4/58

CRMC-SBGAB-000042

SU 0012

J3(342)
Ser 342-627

Copy to List

Davis Filtration Equipment Co., Inc.
149 Broadway
New York 6, New York

Republic-Siets Filtration Corporation
17 Stone Street
Newark 4, New Jersey

Hercules Filter Corporation
195 Ethyl Avenue
Hawthorne, New Jersey

Columbia Filters, Inc.
201 Seventh Avenue
Hawthorne, New Jersey

Raybestos-Manhattan, Inc.
U.S. Asbestos Division
Manheim, Pennsylvania

Asbestos Limited
8 West 40th Street
New York, New York

Asbestos Textile Co., Inc.
226 N. LaSalle Street
Chicago, Illinois

American Merchantile Co., Inc.
33 W. 42nd Street
New York, New York

CRMC-SBGAB-000043

SUT0012

1969