PLAINTIFF'S
EXHIBIT
DUP-1289

E. I. DU PONT DE NEMOURS & COMPANY
WILMINGTON, DELAWARE 19898

TEXTILE FIBERS DEPARTMENT

cc: G. D. Campbell - Martinsville
W. J. Venable - Spruance
B. E. Ransom - Camden
E. M. O'Donnell - Waynesboro
M. E. Sabla - Cape Fear
G. B. Kirkpatrick - Old Hickory
C. Twer - Ex. Station
A. R. Sassaman - Ex. Station
E. Marsh - Louviers
L. C. Schaller - Nemours 12452
R. J. Hubiak - Haskell
G. E. Lang - Louviers
Ingo Zeise - Louviers
F. H. Fuller - Louviers
F. L. Bryant - Louviers
W. S. McMahon - Kinston
R. D. Landsberg - Chestnut Run
D. R. Rodden - Chestnut Run
J. F. Morgan - Haskell

September 6, 1973

D. L. BROWN - ATHENS
J. F. WATSON - CAMDEN
J. J. HOWERIN, JR. - CAPE FEAR
J. L. McCLANAHAN - CHATTANOOGA
J. D. REICHLEY - CHESTNUT RUN
R. P. COON - COOPER RIVER (Nemours)
E. L. LONG - KINSTON
J. O. EXLEY - MARTINSVILLE
H. B. BARRETT - OLD HICKORY
R. W. CALHOUN - SEAFORD
H. F. GALLASCH - SPRUANCE
W. G. RIDLEY - WAYNESBORO

OSHA ASBESTOS REGULATIONS

Ref. 1: Letter, Hayden to OSHA Coordinators, 8/2/73, same subject
Ref. 2: Letter, Hayden to OSHA Coordinators, 8/24/73, same subject

On the basis of incomplete responses in which we attempted to determine your order of priority on the agenda items, we attach the revised agenda with the items listed in order of decreasing interest. If we have incorrectly interpreted your desires, adjustments can be made at the beginning of the meeting on September 11. Some of you have requested that additional items be considered and these have been listed under the heading of New Items. If time permits, these will be covered.

In order to cover the questions and items which you have suggested in the most expeditious manner, we have invited a number of qualified personnel to sit in with us and to constitute a panel. We propose to present

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these questions and discussion items to the person or persons best qualified to respond and then offer opportunities for further questions and clarification. It should be apparent that we will be unable to cover all of the items unless the discussion is restricted to pertinent points. The panel will consist of the following:

C. E. Marsh	-	Standards
L. C. Schaller	-	Safety & Fire
J. F. Morgan	-	Haskell
G. E. Lang	-	ESD, Materials
Ingo Zeise	-	Construction
F. H. Fuller	-	ESD, Environmental

According to your responses, the plant personnel who intend to participate in the meeting are in accordance with the attached sheet. We would like to request that plant participants bring with them to the meeting dust counts which they have made that are representative of typical plant jobs where insulation is removed and replaced (i. e., a CP overhaul). The Standards Section is seeking basic information of this type in order to guide their recommendations in Standard S4T.

As indicated in the second reference, the meeting is scheduled to begin at 8:30 a. m. in Nemours 5419, Tuesday, September 11.

ENGINEERING DIVISION

R. B. Hayden
Staff Engineer

RBH/sss
Attachments

DUP 0903251

J08897

ASBESTOS DUST SEMINAR

AGENDA

SEPTEMBER 11, 1973 - NEMOURS 5410

1. Recommended Sampling Techniques:

   Minimum number to establish dust level during demolition.

   What Textile Fibers routine jobs exceed TWA or ceiling limits.

2. Status of Non-Asbestos Containing Thermal Insulation. Periodic Information Bulletins.

3. Smoking and Eating in Work Areas Where Asbestos is Handled.

4. Legal Requirements for Protective Clothing.

5. Physical Separation of Insulation Shop from Adjacent Areas.

6. Legal Requirements for Dual Lockers, Change Rooms, Laundering, Etc.

7. Damage to Body Organs Other than Lungs Caused by Asbestos.

8. Recent OSHA Plant Inspections.

9. Review of Experience with Respirators (Disposable, Supplied Air, Etc.

10. Engineering Recommendation on Portable (Hand Carry and Roll-Around) Vacuum Cleaners.

New Items

With asbestos-free materials here, should we be sampling, protecting, etc., against other insulating dusts such as glass, silicates, and diatamaceous earths? Would the levels released require use of down draft tables and other dust control shop devices?

Definition of a "toxic material."

New vacuum exhaust in regard to the ANSI Bulletin.

Is exposure to mineral wool dust considered a problem?

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9/6/73

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MEETING PARTICIPANTS

CHATTANOOGA	J. L. McCLANAHAN
MARTINSVILLE	G. D. CAMPBELL F. L. BRYANT
SEAFORD	R. W. CALHOUN
SPRUANCE	W. J. VENABLE
CAMDEN	B. E. RANSOM J. F. WATSON
WAYNESBORO	E. M. O'DONNELL
CAPE FEAR	M. E. SABLA
COOPER RIVER	R. P. COON
KINSTON	E. L. LONG W. S. McMAHON
OLD HICKORY	H. B. BARRETT G. B. KIRKPATRICK
CHESTNUT RUN	R. D. LANDSBERG D. R. RODDEN

RBH/sss
9/6/73

DUP 0903253

J08899

ASBESTOS DUST SEMINAR
TENTATIVE AGENDA
SEPTEMBER 11, 1973 NEMOURS 5419

Recommended Sampling Techniques

Minimum number to establish dust level during demolition

What Textile Fibers routine jobs exceed TWA or ceiling limits

Physical Separation of Insulation Shop from Adjacent Areas

Legal Requirements for Protective Clothing

Legal Requirements for Dual Lockers, Change Rooms, Laundering, Etc.

Smoking and Eating in Work Areas Where Asbestos is Handled

Recent OSHA Plant Inspections

Status of Non-Asbestos Containing Thermal Insulation. Periodic Information Bulletins

Review of Experience with Respirators (Disposable, Supplied Air, Etc.)

Damage to Body Organs Other than Lungs Caused by Asbestos

Engineering Recommendation on Portable (Hand Carry and Roll-Around) Vacuum Cleaners

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RBH/sss
8/24/73

TENTATIVE PARTICIPANTS

CHATTANOOGA	J. L. McCLANAHAN
MARTINSVILLE	G. D. CAMPBELL
SEAFORD	R. W. CALHOUN
SPRUANCE	W. J. VENABLE or T. J. HAMPTON
CAMDEN	B. E. RANSON J. F. WATSON
WAYNESBORO	E. M. O'DONNELL
CAPE FEAR	M. E. SABLA
COOPER RIVER	R. P. COON
KINSTON	?
OLD HICKORY	H. B. BARRETT G. B. KIRKPATRICK
CHESTNUT RUN	J. D. REICHLEY

RBH/sss
8/24/73

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DU 024636

TEXTILE FIBERS
ASBESTOS DUST SEMINAR OF TUESDAY, SEPTEMBER 11, 1973

The current status of asbestos-free insulating materials continues to be brighter, but the progress from your last meeting, in July, 1972, has been slow and painful.

You may recall that at the time of the previous meeting we had only two calcium silicate insulations that were asbestos-free and only one of those was satisfactory for use on austenitic stainless steel.

At this time, fortunately, all of the calcium silicates we have listed in Engineering Standards SN100M are asbestos-free.

There are five brands of Code 102, the uninhibited calcium silicate, and two brands which are approved for Code 102.1 for use on austenitic stainless steel.

There are two more brands that will be added to the inhibited calcium silicate listings under Code 102.1 by the end of this year. They are Johns-Manville's Thermo-12 and B&B Insulation, Inc's. "Pamsil", which is a Du Pont development.

This will help us considerably in getting back to our previous principle of using only the inhibited brands for all applications to avoid field mix-ups.

At the time of the last meeting, I was pushing a high quality mineral wool by the U. S. Gypsum Co., known as K-fac. This can be inhibited by the fabricator by dipping it in sodium silicate solution.

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It seems that this material took on so strong in the asbestos-free calcium silicate shortage, that U. S. Gypsum had to turn off their their industrial thermal insulation program. They were way oversold.

U. S. Gypsum is still supplying all the needs of their first two fabricators, Atlas Insulation of Pittsburgh, Pa. and Starr-Davis of Greenboro, N.C.; but they have stopped promotion to any other fabricators.

I'd like to mention here that all of the mineral wool brands listed in Du Pont's Codes 114 and 114.1 are asbestos free.

Johns-Manville still does not have an asbestos-free substitute for their Marinite, which is Du Pont's Code 130, Asbestos Board, and they hold no hope for one in the foreseeable future. There are no other manufacturers products which even approach Marinites physical characteristics.

From Du Pont's standpoint however, there are no needs where Marinite is the only material that will suit. We can and are engineering around this material.

All of the Insulating Cements, Code 502, and Insulating and Finishing Cements, Code 502.1 listed in Engineering Standards are asbestos free.

Our single greatest asbestos material problem at this time is finding an equivalent substitute for woven asbestos or "A" cloth.

Some of your people have been helping the Thermal Insulation Standards

Subcommittee evaluate a product known as "Porterlag" by the H. K. Porter Company. In the trade, it is known as a rewettable glass cloth. It is a glass cloth that is coated with a rewettable adhesive by the manufacturer (I have a small fitting cover that is covered with Porterlag No. 205, a 15 ounce treated glass cloth). These rewettable cloths must be protected from moisture or the adhesive will soften and come loose.

This material is useable with hot side temperature to 800°F.

It is certainly not equivalent in strength or abuse resistance to "A" cloth, but where plant rulings eliminate the use of asbestos-bearing materials it is our best alternative so far.

In summary, we are in good shape for asbestos-free insulations and accessories with the exception of woven asbestos cloth and asbestos listing tape.

George C. Lang/blm
September 12, 1973

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