PLAINTIFF'S
EXHIBIT
DUP-1447

CC: J. F. Kane
J. E. Romano
J. E. Sylvanus
P. C. Santos
R. L. Ferris
N. Liberman
J. M. Tracy (Del.)

Edge Moor, Delaware
October 11, 1978

TO:

J. D. HALBERSTADT	T. R. BARTNETT	D. G. WINNINGTON
G. W. TAYLOR	W. A. CHADWICK	R. L. MC CATHERN
J. T. CAVANAUGH	H. G. SELHEIMER	H. RUDINOFF
J. B. TAYLOR, JR.	J. SWIEDER	R. B. GLEASON
R. WALDIN	J. E. ANGULO	L. W. MOYLE
T. A. JENKINS	R. N. HITCH, JR.	J. A. DEGE, JR.
A. R. PALLADINETTI	R. D. GILLESPIE	F. F. WHAM, JR.
C. S. STINSON, III	R. O. JONES	S. W. WITKOWSKI
R. L. COPPOLA	C. T. MELVIN	G. E. BINDER, JR.
E. S. CRAWLEY	E. T. O'NEILL	M. J. DUNBAR
J. F. LANE	W. G. KIRK	H. B. COULTER, JR.
J. J. SHEA	J. L. WILLIAMS	M. J. KELLY, JR.
T. W. CLEGG, JR.	F. W. SKINNER, JR.	R. C. BURGE
K. R. FARRARE	G. F. SCHMIDT	K. A. BERKLEY
W. J. BULLEN, SR.	J. P. HOLBACK	A. W. ROESKE
J. REGAN, JR.	P. C. SMITH	E. F. LILLY
J. A. TOPEKA	T. F. DAVID	J. D. SHUKITT, JR.
W. E. JOHNSON	R. W. HUEBNER, JR.	A. J. FLEISCHUT
J. M. SCHULER	N. F. THOMURE	H. E. BORECKI, JR.
W. D. WHITESELL	J. R. RAUM, JR.	

FROM: W. J. ZERBE

ASBESTOS REMOVAL

The attached procedure for asbestos removal must be followed. This procedure supersedes the one dated 9/5/73.

Questions should be directed to line organization.

Reference - Engineering Standard S4T.

WJZ:mew

Attach.

DUP 1120179

DU 055205

Edge Moor, Delaware
October 11, 1978

ASBESTOS REMOVAL PROCEDURE

1. Rope off the area and install the special signs warning all personnel of the asbestos dust hazard.

2. Whenever possible, completely wet down the material to be removed. Best results are achieved by removing outer covering after initial wet down and rewetting area to be worked on.

3. If the area is wetted down, a Welsh #7170 respirator (stores stock) must be worn. In areas where a complete wet down is impossible, an air line mask or a self-contained airpak mask is required.

4. Disposable paper overalls and plastic gloves are to be worn.

5. No smoking, eating, chewing or drinking is allowed in the area and none of these items are to be carried in the area or on their persons during asbestos removal.

6. All scrap is to be placed in plastic bags, sealed and a special warning label installed on each bag. The coveralls and gloves are to be disposed of at the end of each job or the end of each day in the same manner as scrap. After all bags are sealed and labeled, place in the nearest Dumpster box.

7. All the above special equipment may be withdrawn from the Tool Room.

8. Clean-up should be accomplished by minimizing dusting. Never use air to blow off equipment, etc.

DUP 1120180

DU 055206

A vacuum cleaner will minimize dusting, however, it must be cleaned out after every job and disposed of as outlined in item 6 above.

9. Personal hygiene is important to limit exposure to asbestos dust. A thorough washing of exposed skin and hands should be done at the completion of the job and before any smoking, eating, drinking, or chewing.

SAMPLING AND RECORDING

1. Personal dust sampling must be conducted on all asbestos removal jobs.
2. Samples are to be the duration of the job, including breaks and trips outside work area.
3. All monitoring will be handled by the Safety, Health, & Environmental Department (phone 118 or 182).

CC: R. H. McConnell
D. M. Kafka
G. W. Taylor
W. R. Eley

Edge Moor, Delaware
September 20, 1973

TO:
J. A. DEGE
W. S. WILSON
J. P. AZATO
J. SWIEDER
S. W. WITKOWSKI
R. O. JONES
C. L. HARRINGTON
J. L. WILLIAMS
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J. F. RIDDLE
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R. B. DAVIDSON
J. F. LANE
W. H. MATTHEWS
G. R. DENNEY
A. J. CAMPBELL

FROM: W. G. KIRK

SUBJECT: ASBESTOS REMOVAL

Attached is the new procedure which must be followed to comply with OSHA and Engineering Standard S4T.

Carmody
Williams
&
Kirk

WGK:mew

DUP 1120182

DU 055208

Edge Moor, Delaware
September 5, 1973

ASBESTOS REMOVAL

In order to conform to the new Engineering Standard S4T and OSHA regulations, the following procedure must be followed.

1. Rope off the area and install the special signs warning all personnel of the asbestos dust hazard.

2. Whenever possible, completely wet down the material to be removed.

3. If the area is wetted down, a MSA Dustfoe 77 respirator must be worn. In areas where a complete wet down is impossible, an air line or a self-contained mask is required.

4. Disposable paper coveralls and plastic gloves are to be worn.

5. No smoking, eating, chewing or drinking is allowed in the area and none of these items are to be carried in the area or on their persons during asbestos removal.

6. All scrap is to be placed in plastic bags, sealed and a special warning label installed on each bag. The coveralls and gloves are to be disposed of at the end of each job or the end of each day in the same manner as scrap. After all bags are sealed and labeled, place in the nearest Dempster box.

7. All the above special equipment may be withdrawn from the Tool Room.

DUP 1120183

DU 055209

8. Clean-up should be accomplished by minimizing dusting. Never use air to blow off equipment, etc.

   A vacuum cleaner will minimize dusting, however, it must be cleaned out after every job and disposed of as outlined in item 6 above.

9. Personal hygiene is important to limit exposure to asbestos dust. A thorough washing of exposed skin and hands should be done at the completion of the job and before any smoking, eating, drinking or chewing.

SAMPLING AND RECORDING

1. All asbestos removal jobs must be sampled.

2. Samples are to be the duration of the job, including breaks and trips outside work area.

3. Samples are to be taken with the MSA galvimetric vacuum pump with a MSA filter #459734, available in the Tool Room.

4. Vacuum pumps are pre-set for 2 liters per minute and no adjustment is required. The pump should be clipped to the Mechanic's belt with the filter clipped to his shirt collar or pocket.

Asbestos Removal
9/5/73

SAMPLING AND RECORDING (CONT'D)

5. Sampling record sheets are also available in the Tool Room and must be made out for each job and each man (P&S Form #57).

6. Temperature and humidity must be recorded on the record sheet. These instruments are also available in the Tool Room.

7. The Supervisor should periodically check the job site to monitor the sampling procedure.

8. Completed sample record sheet and other equipment must be returned to the Tool Room.

9. The Tool Room Attendant will mark and seal the samples and make two copies of the record sheet, which will be mailed to the Lab. The third copy will be filed by the Mechanical Department Stenographer.

WGK:mew

OF ASBESTOS DUST EXPOSURE

E. I. DU PONT DE NEMOURS & CO.—EDGE MOOR PLANT
AIRBORNE DUST SAMPLE WORK SHEET

SITE:_____ DATE SAMPLED:_____
WEATHER:_____ TEMP.:_____ R.H.:_____
INSTRUMENT NUMBER:_____ WORK LOCATION:_____
SAMPLE TOTAL TIME:_____ HRS. VOL. SAMPLED:_____ CF

1. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

2. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

3. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

4. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

5. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____

6. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

7. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

8. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____
SPECIFIC PRODUCT AND MATERIAL:
OPERATION:
VENTILATING CONTROL:
DRAFTS:

9. PUMP RATE:_____ CC/M TIME:_____ CHECKED BY:_____

SAMPLE TAKEN BY:_____ DATE:_____
SIGNATURE

DUP 1120186

DU 055212