



# STARR DAVIS CO. OF S.C., INC.

THEMAL & ACOUSTICAL INSULATIONS

CONTRACTORS

ESTIMATORS

FABRICATORS

REPLY TO: P. O. Box 19072  
Greensboro, NC 27410  
(919) 668-2467

February 6, 1981

E. I. DuPont de Nemours & Company, Inc.  
Engineering Department  
Louviers Bldg. 13E57  
Wilmington, DE 19898

Attention: Mr. George Lang

Re: Removal & Replacement of Asbestos  
Insulation Survey  
DuPont - Chattanooga Plant

Gentlemen:

In accordance with your request, we accompanied you on a one day survey of your Chattanooga Plant in an effort to arrive at an estimated cost for replacement of asbestos containing insulation materials. Based on the information we could gather in that one day survey, the following is our best "educated guess", estimate of what the present day cost of this removal and replacement would be.

|                                   |                      |
|-----------------------------------|----------------------|
| LABOR & TOOLS . . . . .           | \$31,200,000.00      |
| MATERIAL, FREIGHT & TAX . . . . . | <u>22,800,000.00</u> |
| TOTAL                             | \$54,000,000.00      |

As we discussed with you, this estimate would include the cost of removal and disposal with the disposal being at the plant site. Transporting to an off site dump was not included in the estimated figure. Also, as we suggested to you, we did not include the cost of monitoring the asbestos fiber removal. We recommended that this be done by an independent laboratory.

787

DUP 0906190

BRANCH OFFICES: CHARLOTTE, N.C. • ASHEVILLE, N.C. • ATLANTA, GA.  
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SC-DP-06745

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Additionally, we included removing and replacing only asbestos containing materials. Systems containing other insulation types or non-asbestos materials were not included. We looked at, and included the overall systems containing asbestos; however, we realize that DuPont had already replaced a small amount of the systems, and this could be taken into consideration. In attempting to estimate this project, we based our estimate on having continuous access to the work and having areas available for insulation on a timely basis. This would probably require on certain systems or areas that the system be down for the period of time required to complete the work.

We call to your attention that the estimated figure is based on today's prices and also based on approaching the job on a ten year completion program. Escalation then, would have to be taken into consideration to project the total cost at the project end. Based on our past experience, the following is our opinion of how inflation will affect insulation costs over the next ten years:

|          |   |                           |
|----------|---|---------------------------|
| LABOR    | - | 11% per year              |
| MATERIAL | - | 12% 1st & 2nd Year        |
|          |   | 18% 3rd through 10th year |

As we discussed with you at the plant, most of the insulation in the plant is in very good condition. Rejacketing or resealing where needed, would certainly be a less costly approach to containing the asbestos, rather than a complete removal and disposal.

We hope that the information we have provided you will be of some assistance to you in solving your asbestos problem. If we may be of further assistance, please advise.

Very truly yours,

STARR DAVIS COMPANY OF S.C., INC.

Marcus J. Ball  
Vice President - Contracting

/mlh

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