

IN RE: ABRAMS November 1992

ASBESTOS PRODUCTS IN LRA

Distribution List

HW88-0006884

Committee

|       |                     |      |               |
|-------|---------------------|------|---------------|
| 12L   | W. J. Adamik        | 10L  | S. E. Kriss   |
| Irwin | C. W. Erdley        | 12L  | T. V. Matalis |
| 10L   | R. Erhard *         | 6N-N | J. M. Mayher  |
| 6N-S  | G. L. Godwin *      | 6N-S | J. R. Shirley |
| 5N-N  | R. J. Hillenbrand * | 2G   | C. H. Waltz   |
| 10L   | H. Y. Hsing         | 3N66 | P. V. Wike    |
| 4N-S  | P. S. Johrde        | 5N-N | J. L. Young * |
| 6N-N  | N. J. Kasanovich *  |      |               |

The following will receive minutes but need not attend meetings:

|                            |                         |              |                 |
|----------------------------|-------------------------|--------------|-----------------|
| 12L21                      | J. C. Botts             | MA General   | O. G. LePere    |
| 6G26                       | E. C. Blair             | 10L          | E. S. Long      |
| <del>R&amp;D 401-3X9</del> | <del>K. A. Bodden</del> | 4N24         | C. R. Marcum    |
| 4G10                       | G. T. Brady             | 4N-S         | W. R. McCown    |
| 5N-N                       | J. M. Campana           | 4N46         | W. H. Morse     |
| 2G46                       | F. M. Cerchiaro         | 11L          | A. Mulach       |
| 10L                        | G. D. Cooper            | 6N38         | E. H. Myers     |
| 5N-S                       | J. C. Cunningham        | 12L          | J. G. Myers     |
| 10L                        | L. P. Curtis            | 12L13        | R. L. Novak     |
| 5N-N                       | J. D. Davidson          | 2G46         | R. L. Oblich    |
| 3G Annex                   | A. S. DePaul            | 2G           | J. F. Onofrey   |
| 2G                         | S. A. Drinkut           | 5N-S         | G. E. Peterson  |
| 3N66                       | H. R. Elliott           | 10L          | D. H. Rielly    |
| 6N-N                       | L. W. Finnell           | 2G           | S. R. Rishi     |
| 5N-N                       | R. T. Hagaman           | R&D 501-3Y34 | R. N. Sampson   |
| 2N40                       | J. O. Hall              | 10L          | R. M. Sexton    |
| 2G Annex                   | D. R. Healey            | 6G28         | H. H. Smallwood |
| R&D 401-3X9                | Z. R. Heasley           | 6N44         | A. J. Spisak    |
| 10L                        | P. R. Heller            | 5N-N         | R. E. Stewart   |
| 4N-S                       | R. J. Hillen            | Irwin        | W. R. Watson    |
| 5G                         | F. R. Hoguet            | 3N14         | B. B. Winer     |
| 12L                        | W. T. Iski              | 3N59         | W.J.J. Woolley  |
| 4N-S                       | P. L. Kamphaus          | 5N-N         | J. J. Wu        |
| 10L                        | E. I. King              |              |                 |

\* Did not attend.

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## ASBESTOS PRODUCTS IN LRA

### Report of the Second Committee Meeting

April 21, 1976

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The following agenda was discussed:

#### Regulations

No new information is available from Mr. Waltz on the additional restrictions which will be imposed July 1. Present plans based on the recommendations of the Committee do not allow for stockpiling asbestos containing items.

#### Committee Reports

##### Development Engineering

Kevlar laminate samples have been prepared for abrasion and compressive creep tests. Additional laminate has been ordered from Hampton with delivery due in June. This laminate is the proposed replacement for asbestos phenolic 44141AJ. Kevlar materials are difficult to machine; however, it is believed this shortcoming will be resolved with additional development.

Epoxy-coated Nomex has been ordered from Bedford and 100 yds. will be available early in May. Ceramic-glass paper samples coated with both shellac and epoxy are due late in April.

##### Brushless Exciters - Medium Turbine Generators

This group has completed the review of their asbestos usage and the following items are reported:

The most probable replacement will be glass cloth edging tape from Carolina Narrow Fabrics. Additional data is being collected from the supplier to obtain a material number (John Drobne).

42341BN - Shellac treated asbestos paper for turn insulation of strap wound field coils.

One or more of the following materials will be suitable for this application:

41524PY(ET-1190) and similar thin glass cloth polyester resin materials are available from Bedford and are being used for similar applications at Buffalo.

(ET-1318) - This .005" Nomex paper has an epoxy adhesive coating on both sides. A M number is required for this material.

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Crane glass and other non-asbestos papers. Samples are now at Bedford for both shellac and epoxy coating. These constructions are part of a long range program to replace the more expensive Nomex which is available from only one supplier - Dupont.

65711AA-Asbestos covered space heater cable.

Eight suppliers are listed for this item. Glass-silicone or glass-Teflon would be practical for this application. Purchasing should contact the present suppliers for replacements. (Paul Wike)

42251AA - Asbestos gasket material (compounded and ungraphited).

Johns-Manville is the only supplier of this item and they have been contacted by both Purchasing and Development Engineering for a recommended replacement.

41511BA - Asbestos cloth used for welding, burning and brazing.

This recommended replacement for this item is Refrasil(41314GC) and treated glass cloth (number needed).

Purchasing Department

Purchasing has contacted the following suppliers for asbestos replacements.

|                    |                             |
|--------------------|-----------------------------|
| Amatex             | - asbestos tape PDS 41511AA |
| Atlas Asbestos Co. | - " " " "                   |
| Johns-Manville     | - asbestos yarn 41211AA     |
|                    | sheet packing 42251AA       |
|                    | paper 42331AA               |
|                    | mill board 42351AG          |
|                    | brake block 44641CE         |
|                    | Quinterra —                 |
| The Gage Co.       | asbestos paper —            |
| Essex              | polyester glass 41524LD     |
|                    | cloth and                   |
|                    | asbestos paper              |

Materials and Processes Dept.

M&P has been reviewing the items listed for additions and corrections.

Large Generator, Hydrogenerator, Large Motor

These groups have been asked to prepare a list similar to that reported by Brushless Exciter - Medium Turbine Generator.

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