FILE NAME: Westinghouse (WH)

DATE: 1973 Dec 21

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DOCUMENT DESCRIPTION: Memo RE Turbine Insulation Suppliers

SUBJECT: Steam Turbine Insulation Materials
INDEX : Power Generation Service Data Letter 73-48
DATE : December 21, 1973

PROPRIETARY CLASS 3

Attached are two (2) tables providing information for obtaining insulation materials for steam turbines.

Table 1 is a list of approved insulation materials. In Table 2 the applicable Process Specifications are listed with their respective materials.

The attached lists, dated 12-21-73, supersede previously issued approved insulation material lists.

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TABLE 1. APPROVED INSULATION MATERIAL LIST*

Material	Manufacturer	Commercial Name
M41414AD Fiber Felt Insulation	Babcox & Wilcox	Kaowool Blanket
	Eagle Picher	Mineral Fibers Style 100 Blanket
	Eastern Refractories	Erco Mat 1300
	Forty Eight	Turbine Insulation
	Pittsburgh Corning	Temp Mat
M41514GP Fiberglass Cloth (replaces M41511AP cloth and 42331AA cloth)	J. P. Stevens	Fiberglass Cloth Style 84205 Finish 9383
	Louis Halprin	Fiberglass Cloth Style 205 Finish 9383
M46102BB Block Insulation	Johns Manville	Thermo 12
	Keene	Thermasil
	Owens Corning	Kaylo 10
M53323AJ Hydraulic Cement (replaces M46110BA Cement)	Eagle Picher	One Cote
	Forty Eight	Quick Set
	Johns Manville	No. 375
	Keene	Superpowerhouse
M46110BJ Plastic Insulation	Eagle Picher	Super 66
	Forty Eight	Super 48
	Johns Manville	No. 460
	Keene	1 Plus
M46601AB Block	Eagle Picher	PV Supertemp
	Forty Eight	HT Block
	Johns Manville	Banroc HT
	Keene	Mono Block
M53351DU Paste	Amchem	Seal Fas 30-36
M54251AH Molded Pipe Insulation	Eagle Picher	Epitherm 1200
	Forty Eight	MF Pipe Insulation
	Johns Manville	Thermo 12
	Keene	Thermasil
	Owens Corning	Kaylo 10
M54251AQ Spray Insulation	Asbestospray	Ceramospray III

*NOTE: These materials are approved only when used as described in the Process Specifications listed in Table 2.

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TABLE 2. PROCESS SPECIFICATIONS AND MATERIALS

1. Proc. Spec. 600359 (Part 4 only; Parts 1 through 3 are obsolete)

   Title: Manufacture and Application of Blanket Insulation

   Use: Cylinders, steam chests, valves, flanges, horizontal joints

   Materials:

   M41414 AD fiber felt insulation

2. Proc. Spec. 600433 (Parts 1 and 2)

   Title: Application of Block and Plastic Insulation

   Use: Piping

   Materials:

   M41514 GP fiberglass cloth (replaces M41511AP cloth)
   M46102 BB block
   M53323 AJ hydraulic cement (replaces M46110BA cement)
   M53351 DU paste
   M54251 AH molded pipe insulation

3. Proc. Spec. 600729 (Parts 1 and 2)

   Title: Application of Block and Plastic Insulation

   Use: Cylinders, steam chests, valves, flanges

   Materials:

   M41514 GP fiberglass cloth (replaces M42331AA cloth)
   M46110 BJ plastic insulation
   M46601 AB block

4. Proc. Spec. 600916 (Parts 1 and 2)

   Title: Application of Sprayed Asbestos Insulation

   Use: Customer option for all components

   Materials:

   M41514 GB fiberglass cloth (replaces M41511AP cloth and M42331AA cloth)
   M53323 AJ hydraulic cement (replaces M46110BA cem
   M53351 DU paste
   M54251 AQ spray insulation

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