

FILE NAME: ICI (ICI)

DATE: 1967 Apr 19

DOC#: ICI027

DOCUMENT DESCRIPTION: Memo

PROJECT H929 L.P. STEAM MAINS - STAGE I

AMENDMENTS TO THE SPECIFICATION NO. CC/M 21

These amendments are made to permit the use of asbestos-free insulation in place of calcium silicate and asbestos cement.

Part I - Supply only of Calcium Silicate Insulation

1.1 Moulded Calcium Silicate Insulation

Moulded Calcium Silicate asbestos-free magnesia shall be used in place of Calcium Silicate as specified. X

Part II - Application, Fixing and Protection of Calcium Silicate Thermal Insulation

1.1 Calcium Silicate

The insulation shall be Magnesia 66 supplied by the Chemical and Insulating Company, Darlington, and shall be wholly free of asbestos. Alternative materials may only be used with the approval of the Company. Where Calcium Silicate is mentioned in this Specification, it shall be taken to be Magnesia 66. ///

1.2 Protective Coating

Protective coating applied over the insulation shall be Composition 14 as supplied by the Chemical Insulating Company, Darlington and shall be wholly free of asbestos. Alternative materials may only be used with the approval of the Company. ///

1.4 Asbestos Cloth

Glass cloth shall be used at expansion joints and shall be Ty glass Y 326A made by Fothergill and Harvey, or an equivalent material.

2.2 Mattresses

Mattresses shall be made from glass cloth with the weather surface aluminised. The filling may be Magnesia 66 or mineral wool or glass wool as appropriate. Where the temperature exceeds the maximum quoted by the manufacturer for the glass cloth, a metal covered removable box shall be used.

3. "Protection against Oil Spillage"

- (a) light gauge crimped aluminium with a paper backing is not acceptable. Aluminium, if used, must be painted on the inner surface. Light gauge stainless steel is also suitable.

6. Pipes with Steam or Electric Tracing

The bright aluminium foil used to wrap pipe and tracer shall be not less than 46 swg.

ADDENDUM

Special Protection for Hot Austenitic Steel Surfaces

The aluminium foil shall be not less than 46 swg. It is recommended that the insulation on pipes, valves etc., made of austenitic steel should be waterproofed. The method given under "Protection against Oil Spillage" in Section 3 would be suitable. 7

Rochdale.

Mr. A. C. Mann.

To: A.1/EG
EAE
Copies: ACM/WXD/EEG

19th April, 1967.

H.M. Dockyard, Devonport

Many thanks for your memo of 14th April reporting the current situation with regard to the limited trial of our XA.136 on the "Torquay".

Certainly for the present the omens continue to look favourable and obviously when the "Torquay" is back in Port in June Dr. W. K. Donaldson will need to visit the vessel with you in order to examine the installation in detail.

If you are able to obtain a copy of the official report from Mr. Eapson, this, of course, will be most helpful to us.

✓
S. Marks.