

MONSANTO CHEMICAL COMPANY*E-O-chem.
Spec.*600 NORTH LIVINGSTON BOULEVARD
ST. LOUIS 66, MISSOURI

July 28, 1961

Mr. G. L. Bruno
Bechtel Corporation
25 First Street
San Francisco 5, California

Attention: Mr. J. H. Poulson

Subject: Job No. 3375
Chocolate Bayou Project
Insulation Specification

Dear Mr. Bruno: O-ME-113

Attached is copy of proposed changes in Chocolate Bayou Project No. 3375, insulation specifications 1N3 and 1N5 as discussed with Mr. H. H. Hyde by telephone on July 20, 1961. There are no proposed changes for 1N2 or 1N4. Also attached is a copy of letter from Eagle-Picher Company on the fire rating of their Supertemp Block. This is the same material "Mineral Wool Block" as marketed by Union Asbestos and Rubber Company as it is actually manufactured for them by Eagle-Picher. Also, a letter from Phelan's Resins and Plastics on their willingness to use Monsanto's materials in the manufacturing of U-200 polyurethane for Union Asbestos. Also attached is a letter and sketch from Pittsburgh Corning for your consideration on expansion joint in low temperature service.

The basic change, as mentioned to Mr. Hyde, was from Foster and Vinasco fire-retardant mastics to Lion Oil fire retardant mastics. Standard Lion Oil materials were specified in the original specification but replaced by competitors fire retardant materials after the rigid fire requirements were placed on this project by our insurance carrier.

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Mr. G. L. Bruno
Bechtel Corporation
Attn: Mr. J. H. Poulson

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July 28, 1961

After reviewing the specifications with Lion Oil personnel, we find that Lion Oil now has fire retardant materials on the market which are equal to or better than those specified. From this standpoint, we are very desirous of using our own materials in the construction of our plant. In addition, the prices are considerably cheaper than those specified, and will allow complete elimination of one coat of weathering material on the cold insulation. Mr. N. P. Hudson, project engineer for Lion Oil coatings is available to come to San Francisco at your convenience to discuss the materials with you. He is in a position to guarantee Lion Oil materials to be equal to, or better than now specified.

We have made rough drafts of the changes we propose for LN3 and LN5, in order to speed up the revision. A more detailed discussion of the revisions follows:

LN3 - Low Temp. Insulation

Par. 4.1 was divided and now includes 4.1 and 4.2 specifying Monsanto and Mobay materials in the U-200 manufacturing and clarifying the manufacturing of the mineral wool block. This addition has changed the materials to the 4.3 series.

Par. 4.3 - Accessory Materials.

This section has been slightly rearranged to group the materials and Lion Oil material inserted to replace the Foster and Vinasca materials.

Par. 4.309 - The reinforcing membrane was changed from 10 x 10 to 20 x 10 mesh.

Par. 4.310 - A new material suggested for sealing expansion joints as per attached letter.

Par. 5 - A general statement was added for clarification.

The old Par. 5.6 and 5.7 were removed from the specification. 5.6 will not be needed with the Lion Oil mastic which eliminates one complete operation. 5.7 was placed in each individual section where needed.

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Mr. G. L. Bruno
Bechtel Corporation
Attn: Mr. J. H. Foulson

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July 28, 1961

In general, mastic thicknesses were reduced as suggested by Lion Oil. Also, material references throughout the spec. have been changed to Lion Oil.

IMS - Condensation Control Insulation

In general, Lion Oil materials were specified instead of Foster, and old Par. 4.57 was deleted as it is not needed with Lion Oil material. The mastic thickness was also reduced and K-Kote to be applied according to Lion Oil specifications.

Very truly yours,

MONSANTO CHEMICAL COMPANY



B. G. Karnheart

BCK:ec

cc: Mr. G. L. Johnson (2)
Mr. A. C. Page (2)

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