

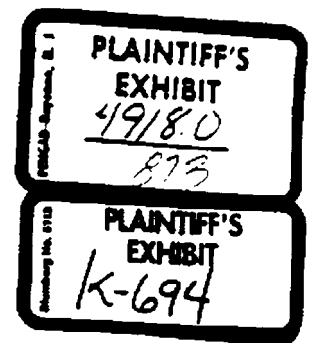
FILE NAME: Owens-Corning (OC)

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DOCUMENT DESCRIPTION: Letter to Duke Paper Co. RE Bellows Crack 1 & 2
Power Station, Asbestos-Free Kaylo

June 1, 1972



Mr. Gene Edwards - Eng.
Duke Power Co.
Power Bldg.
422 Church St.
Charlotte, N. C. 28201

Re: Bellevue Creek 1 & 2 Power Station
Asbestos Free Kaylo

Dear Gene,

This letter confirms my conversation with you on May 31 concerning subject situation. To reiterate a little bit, I would like to point out a few matters we discussed.

Asbestos Free Calcium Silicate - (of which a sample was left with you) is now being field evaluated by Owens-Corning Fiberglas. The following considerations or characteristics were reviewed:

Physical Properties - Asbestos Free Calcium Silicate (Kaylo) will have the same general physical properties as our existing product, and beyond that it will be vastly superior to Mineral Wool or Fiberglas in:

1. Compressive Strength
2. Affect of Moisture on Performance
3. Vibration Resistance
4. Resistance to Pinking
5. Physical Abuse

(This material can be walked on whereas the other two can't)

Production Capacity and Relation to Industries Demands - At this time the total calcium silicate productivity in the U.S. and (note I am including other high temperature hard insulation such as Cary Temp) is about 30%¹⁵. The current demand is running close to that. Owens-Corning produces at this time 12%¹⁵ a year in calcium silicate, Johns-Manville is a close second. Therefore, between the two of us, over 2/3 total productive capacity in the country is tied up in our facilities. We will have no problems producing against the industry demand as of right now. Our longest cycle item is 12 weeks, our normal cycle is 6 weeks on a total mix of goods, therefore, we can compete with any other manufacturer in this area.

Cost - Base Material and Installed

A. Comparing the Asbestos Free Calcium Silicate to standard Calcium Silicate, we do not intend to get an upcharge for this material other than the normal yearly increase allowed within the current price control demands. Therefore, even though this will be somewhat of a proprietary material, we will not get a premium for it compared to other calcium silicates.

B. Compared to Mineral Wool pipe covering or Glaslag pipe covering, the cost of this material is greater considering the per unit cost of base material per lineal foot. However, installed costs are entirely different. Your current specification on Bellevs Creek calls for Rozin sized paper and 8 ounce canvas over either calcium silicate or mineral wool. In my opinion it will be virtually impossible to get as good a job using this finish method over a mineral or fibrous material. Its resistance to abuse at best is very poor even with metal and with nothing but canvas on it, I am afraid that the installed costs of this material (mineral wool) might run even higher than calcium silicate.

Availability

Owens-Corning Fiberglas plans to have our total production completely changed to Asbestos Free by January 1, 1973. Naturally we will start this change over before then. As explained to you, we are already have an acceptable product on our filter press line and are currently making field tests on pan poured. Therefore, we will have this material ready in time for Bellevs Creek if our contractor is successful.

If there are any further questions on this please don't hesitate to let us know.

Yours truly,

James H. Summer

T. Overcash - Eng. Dept. - Dyke Power
B. Smith - Purchasing - Duke Power

James Cash - Const. Gule.