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Dr. F. W. Shook October 16, 1967

R. F. Shannon

1968 PROJECTS



Kaylo Product Development

The two marketing sponsored Product Development programs are (1) stress corrosion (2) replacement of asbestos. The stress corrosion program will be completed in 1968. Plans are to convert the entire K-10 product line to stress corrosion. It offers no foreseeible manufacturing cost savings, but does offer a substantial sales growth potential. The market is going toward stress corrosion. We must have a product to remain competitive.

The program directed toward replacement of asbestos will be accelerated in 1968. This program at the moment does not offer any direct sales growth potential and/or manufacturing cost savings, but must be carried out so that in the event the health hazard aspect of asbestos fibers becomes a major national and/or political hot potato, OCF will have an alternate fiber to switch to so as to stay in business. We will not complete this program in 1968. Our plans call for reaching a point of determining whether there exists another fiber which could be substituted for asbestos. The 1968 program is one of checking feasibility.

I have been informed (via B. Davis) marketing will provide $40,000 for the Kaylo Product Development program.

Exploratory Investigations and High Temperature Products

It is difficult to predict what progress will be carried out in this area. We do plan to conduct a basic study of the Kaylo process and batch ingredients to remove some of the 'black magic' now present in the manufacture of Kaylo. At times we got extremely soft ware, even under scientifically controlled mixing and processing conditions in the laboratory. The reasons for periods of soft ware have never been isolated. This is one of our exploratory programs for 1968. Beyond this program we will carry out programs assigned to us by management in the fields of Portland cement and high temperature products. To illustrate, the type of progress carried out in 1966 include (1) evaluation of metal fibers in ceramic and cement composites (Thomas and (2 evaluation of William Prior's inorganic plastic system to determine whether OCF should take an option on his patent.

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PLAINTIFF'S EXHIBIT K411

Mr. F. W. Swank October 16, 1967

E. F. Shannon

1968 PROJECTS

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EXHIBIT 102

Kayle Process Development and Service To Berlin

Our main effort will be to provide technical support to Berlin to maintain production at highest possible level and at the same time maintain product quality. Assistance will be provided Berlin in achieving further increases in productivity and in job efficiencies. Programs started in 1966 aimed at decreasing batch sorts will be completed in 1967. These include (1) higher dust batch formulations, (2) preburnable K-20 batch, (3) preburnable K-17 core batch and (4) elimination of mold skin. If manpower is available, studies will be undertaken to develop automatic systems of pouring and stripping.

Mr. R. S. Grant recommended I increase my 1968 Process Development and Technical Service To Berlin Budget 10 percent above that budgeted in 1967.

R. F. Shannon

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