Monsanto

FROM (NAME & LOCATION): C. P. Orr (8264) - Corporate Engineering - G2WD

DATE: November 14, 1975

SUBJECT: Santosol-Dielectric
MCS 1238

REFERENCE:

CC: R. E. Beal - B2SB
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TO: R. G. Potter - B2SB

Plans have been developed for facilities at the WGK Plant for blending MCS 1238, a non-PCB dielectric fluid for capacitors. CED has been asked to reaffirm its permission for the plant to carry out the project as the capital estimate has increased from $250M to $450M. CED has also been asked for comments on a draft of the AR for these facilities.

The information that I have been able to develop on this project indicates that it would be a very high risk project if it goes forward on the basis that has been developed to date. The risks can be reduced by further work if time permits. I recommend that the department heads review and discuss this project with you for a decision on the approach and timing that should be followed if the project is to proceed.

Some of the risks that project participants see are as follows:

1. Process development is not complete. Additional capital and significant time for further development after startup may be required.

2. All of the data needed for design of the facility are not available. There is no approved Process Report for Engineering Design.

3. Raw material specifications are still being developed. No product has been made using raw materials meeting the tentative specifications.

4. TLV data for raw materials and product are not available.

5. It is not known if the MIPB raw material supplier can consistently meet the proposed specification for this material.

6. The DK of the product may change in the subsequent processing step after measurement of this property, requiring some unknown amount of rework.

7. It is not known if the proposed method of proportioning the raw materials will have adequate precision for the product properties required.

DSW 185392

8. Corrosion data for various possible materials of construction are not available.

9. Some PCB contamination of initial production is expected with the extent of clean-out planned for the facilities prior to use for this project.

CPO

C. P. Orr

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DSW 185393