D. R. Pogue - St. Louis

November 16, 1970

SOLIDS DISPOSAL

W. B. PAPAGEORGE
WPAPA

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Bill, the attached sheet gives relative orders of magnitude of solids that are now going out the door of our fluids customers. This totals 5.5 - 12 M pounds/year containing an additional 5-6M pounds/year of our Functional Fluids products. As you can see the majority of this is in the Industrial Fluids area, primarily diecasting. The majority of these customers are now disposing of this material through independent industrial disposal companies who deliver the material to land fills. Few incinerator services are available.

Realistically we could assume that up to 5 M pounds/year solids (containing an additional 2.5-5 M pounds per year fluids) could be shipped to Monsanto for incineration. This represents about 50% of the market for the first year of operation. Within 2-3 years of operation the 12 M pounds/year solids total is quite realistic.

This is on the basis that we do not have an effective reclamation operation in existance. This is our present situation. If effective reclamation is adopted and enforced by Monsanto this total should drop to about 0.5-2 M pounds/year of fluid plus solids (50% solids) total potential. This would represent unreclaimable material. The remaining 5-10 M pounds/year of solids processed through the reclamation point should be essentially inert and suitable for land fill. This material would consist of solvent extracted clay absorbent, metallic fines (aluminum, magnesium and zinc) and graphite.

I have estimated the solids disposal quantity for the Dielectric and Thermal fluids areas based on some earlier conversations with Jim Bryant and the Heat Transfer people several months ago. If either Paul Beaignus or Jack Fallon feel these numbers are not representative they can let us know.

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If additional information is needed please let me know. This subject will also be covered in some detail on November 23 during the reclamation plan presentation to Howard Bergen. I hope you will be able to attend.

D. R. Pogue

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FUNCTIONAL FLUIDS-INDUSTRIAL & UTILITY MARKETS

TOTAL POTENTIAL SOLIDS DISPOSAL

Industrial Fluids	5 - 10 $\bar{M}$ pounds/year
Dielectric/Therminol	0.5 - 2 $\bar{M}$ pounds/year
Total	5.5 - 12 $\bar{M}$ pounds/year

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