C. Paton - B2S H
D. E. Roush B2S H
D. R. Hansen - 1000
J. A. Kriss - 5120
T. L. Gossage - B2S L

September 8, 1971

Mr. John E. Whitman
9253 24th Avenue N. W.
Seattle, Washington 98107

Dear Mr. Whitman

Regarding your letter of August 30, 1971 inquiring about the possible reintroduction of Therminol FR-1, I feel that it is highly unlikely that we would do this in view of the present environmental situation with PCBs.

Other chlorinated products not only represent additional PCB problems but they lack real fire resistance and thermal stability at the higher operating temperatures.

It is not likely that we will be able to offer a new fire resistant fluid, either, and based on the success of our non-FR systems I do not think that this is a major problem. It is possible to design safety into a non-FR fluid system by the addition of sprinklers and either steam or CO_2 smuffing systems for the combustion chamber of the heater.

I would suggest using either Therminol 55 or Therminol 44 heat transfer fluid for your proposed system. While neither is fire resistant they are both at least equivalent or better than FR from the standpoint of thermal stability and heat transfer capabilities.

Literature covering both of these products is enclosed for your review. Should you have any questions please contact Mr. J. A. Kriss in

MONS 087998

Vancouver, B. C., Canada at (604) Amherst 1-1321 or me in St. Louis.

Very truly yours,

James J. Reder
Product Supervisor
Heat Transfer Fluids

lb

Enclosure

MONS 087999