bcc _____ (Reg. Mgr.)
CP/DER/GFF/File

Dear Mr. _____:

1.1 Confirming our telephone conversation on _____ concerning conversion of your Therminol® FR heat transfer system, I have enclosed literature on two possible replacement fluids, Monsanto's Therminol 55 and 66. Therminol 66 has the higher maximum operating temperature (650°F vs. 575°F). It is, of course, your decision what product or system you choose as a replacement for Therminol FR.

SUGGESTED CONVERSION STEPS

2.1 Based on our telephone conversation it appears that conversion of your system will require:

(Refer to Conversion Bulletin for system requirements at heater and for cleanout)

2.2 We want to point out that unlike the Therminol FR products, Therminol 55 and 66 are not classified as fire resistant heat transfer fluids. Consequently, you should consider the use of protective devices to minimize any added fire risks. We suggest you consult with the insurer of your property relative to this matter.

2.3 In order to protect Therminol (55-66) from oxidation, we suggest the use of an inert gas blanket on your expansion tank system to preclude air contact with hot fluid. The inert blanket is required only at tank temperatures above 120°F. If you use a recirculating line to the expansion tank, this should be valved closed during the normal system operation.

2.4 A snuffing device should be installed on the combustion chamber of your (gas/oil) fired heater. Steam, carbon dioxide or nitrogen may be used to extinguish a furnace fire caused by a heater tube rupture. The snuffing device may be activated by a high temperature switch in your furnace stack.

2.5 While both Therminol 55 and 66 are miscible with Therminol FR, we recommend against adding either fluid to "top-up" an FR system except as an emergency measure for a brief period of time. Addition of Therminol 55 or 66 can cause the mixture to lose its fire resistant properties. Also, the useful life of Therminol 55 or 66 may be drastically reduced by reaction with trace quantities of Therminol FR decomposition products.

SYSTEM CLEAN-OUT

3.1 When converting your system to Therminol __, we suggest you thoroughly drain the Therminol FR. Flush the piping, equipment and expansion tank with Therminol 55 or a non-chlorinated solvent and again drain into leak-free drums. If Therminol 55 is selected as the flush fluid, it is advantageous to operate the system several days before draining to loosen and remove pipe scale.

DRUM RETURN & DISPOSAL

3.25 We request you use return drums that meet DOT 17E Specification (55 gallon drums, 18 gauge minimum, 2 bung head; 5 gallon drums, 24 gauge minimum) to prevent leakage. The outside of the return drums should be free of fluid material and free of leaks. Cleanup or other costs affecting the carrier related to fluid leaking from drums will be charged to the shipper.

3.3 For return of drained Therminol FR fluid, (number) pre-addressed labels marked "disposal only" will be sent to you from W. Maddox in St. Louis. You will need to clearly indicate the drum contents on each label.

3.45 When you have fluids for return, please contact W. Maddox (800) 325-3850 as to the fluid type, number of drums and any special invoicing procedure you may require. Mr. Maddox will send you the necessary pre-addressed drum return labels which we request be used.

3.5 Confirming our telephone conversation of _____, concerning the incineration of (fluid type) fluids, we offer a 3¢/pound incineration service for Monsanto PCB* fluids delivered to our Sauget, Illinois plant (Department 246). The _____ series is included in this group. We will charge 5¢/pound to incinerate non-Monsanto fluids containing PCB if sent freight prepaid to our Sauget plant. Fluids containing in excess of 2% water are not acceptable.

We cannot handle solids (i.e. sawdust, rags, or sludge). We suggest that you check local authorities and your own environmental department for a land fill approved for disposal of (fluid type). Our Sauget plant is instructed to refuse receipt of containers containing solids, and to return same to the sender at the sender's expense.

5.0 A Therminol FR Conversion Bulletin is attached to assist your conversion planning.

5.1 We suggest you plan your conversion as soon as possible. The Therminol FR fluids are no longer available and are not compatible with other heat transfer fluids.

5.2 Thank you for your cooperation. Please feel free to contact me if you have any additional questions.

Sincerely,

Enclosures

cc: