Monsanto

Monsanto Company
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Houston, Texas 77027
Phone: (713) 621-9580

March 27, 1974

Mr. J. D. Winget
Army Core of Engineers
P. O. Box 1580
Albuquerque, New Mexico 87103

Dear Mr. Winget:

As we discussed in February, 1971 Monsanto discontinued Pydraul formulations based of polychlorinated biphenyls (PCB's). The decision to discontinue use of PCB's in Pydrauls was based on the tendency of these materials to accumulate in forms of wildlife, fish and other marine life plus their resistance to biodegradation and resulting persistence in the environment. I have enclosed a copy of the FDA Environmental Impact Statement for your reference.

I would suggest that you convert your hydraulic systems containing Pydraul 135 to Pydraul 50E at the earliest opportunity. Pydraul 50E is a phosphate ester based hydraulic fluid (bulletin enclosed) and is a fire resistant produc Pydraul 50E is Factory Mutual Approved and passes the standard fire resistance test as Factory Mutual Spray Test, Factory Mutual Channel Iron Test and the Hot Manifold Test.

The points listed below may be helpful to you in converting your system to a phosphate ester fluid.

1. Viton and Teflon seals and rod packing materials are best for Pydraul 50E.
2. The PCB fluid should be drained and incinerated. Monsanto will provide this service if you wish. You should contact Mr. Joe Kleffner at 800-325-3850 to make arrangements.
3. The reservoir should be wipped out to remove as much PCB fluid as possible and all materials incinerated.
4. The system should then be flushed with Pydraul 50E and the filter cartridges changed before the final fill with 50E.

5. The flush fluid may be retained to flush other systems to be converted but should be incinerated when disposal is necessary.

6. Pydraul 50E may be ordered from Mr. Gary Graf at 800-325-3850. The price of 50E is $5.30/gal. F.O.B. St. Louis.

Hopefully this information will assist you in expediting the conversion of your systems to the phosphate ester fluid.

Please let me know if I can be of further assistance to you.

Yours very truly,

Jim Armentor
Area Manager
Specialty Products

JA/md
Enclosure

bcc: Doug Hansen
Bob Bevacqua
H. R. Ford
C. Paton

Note to Bevacqua - This guy called a few weeks ago and I missed getting the info to you. I expect 2-1000 gal. conversions and perhaps about 3 new fills later in the year. Assume you will pickup from here with Jerry Winget at 505-766-2389.

Regards. Jim