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May 23, 1995

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Mr. K. Michael Thompson, MSIN: H4-83
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U.S. Department of Energy,
Richland Operations Office
PO Box 550
Richland, WA 99325



RECEIVED
MAY 23 1995
DOE-RL / DCC

Dear Gentlemen:

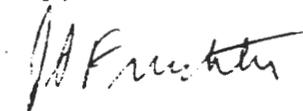
Enclosed please find a copy of the first revision of the final draft test plan for the In Situ Redox Manipulation Field Test, proposed for the 100H Area at Hanford. The field test is being proposed as a CERCLA/RCRA Treatability Test for the Hanford 100HR-3 Operable Unit. This is an updated version of the draft test plan that was submitted in June 1994 to obtain regulatory approval for well drilling at the 100 H Area field site. This first version contains background material for the entire field test and has been updated to include summary information on the laboratory and field activities we have undertaken since June 1994. This revision of the test plan only includes the specific details for the preliminary bromide tracer test scheduled for June 19, 1995 (28 days from today). Because analysis of the information gathered from laboratory and field experiments is used to solidify design of the subsequent field experiments, we plan to revise and resubmit the test plan for approval prior to each of the next two experiments. Currently we are analyzing results from intermediate scale experiments that will be used to finalize the second revision of the test plan which will include a detailed description of the proposed "mini" dithionite injection/withdrawal experiment scheduled for July 10, 1995. The third revision of the test plan will contain the detailed description of the full-scale injection/withdrawal experiment scheduled for August 21, 1995.

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With the submission of this first revision of the test plan, we are requesting approval for the bromide tracer test only. Since a bromide tracer test is a relatively routine field activity, we are hoping that we will be able to obtain your approval in less than thirty days so we can meet the tight schedule we have planned for this fiscal year. The next two versions of the test plan will be submitted thirty days in advance of the proposed field experiments. Please indicate your concurrence with the tracer test by signing the Test Plan in the indicated blocks on the cover of the test plan.

Thank you for your consideration of this test plan. If you have any questions, please contact me.

Sincerely,



John S. Fruchter, Staff Scientist
Hydrologic and Geochemical Characterization Group
ENVIRONMENTAL TECHNOLOGIES DIVISION

JSF:clw

Enclosure

cc: Lance Mamiya, DOE, RL
Tom Lazarski, PNL safety
Tim Moody, BHI
Mary Peterson, PNL
Cheryl Thornhill, PNL
Dick Biggerstaff, BHI
Jim Phelan, Sandia, Albuquerque
Dan Tyler, BHI