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Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

00-ERD-090

MAR 30 2000

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352

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JUN 28 2000
EDMC

Dear Mr. Sherwood:

200-ZP-2 SOIL VAPOR EXTRACTION (SVE) SYSTEM OPERATION

This letter is in reference to recent discussions between the U.S. Department of Energy, Richland Operations Office (RL) and the U.S. Environmental Protection Agency (EPA) regarding the restart of the SVE at the 200-ZP-2 Operable Unit (OU) on April 1, 2000.

Based on preliminary recommendations from the Hanford 200 Area Carbon Tetrachloride Innovative Treatment Remediation Demonstration (ITRD) Program, RL would like to deploy the Partitioning Interwell Tracer Test (PITT) technology for characterization of dense non-aqueous phase liquid carbon tetrachloride contamination in the 200-PW-1 (formerly 200-ZP-2) and 200-ZP-1 OUs.

RL believes that the PITT technology will provide the necessary characterization data to enhance our conceptual knowledge of the carbon tetrachloride contamination in the vadose zone and groundwater, and consequently enhance our ability to treat and manage this plume. RL is committed to putting in place all steps necessary towards successful deployment of this technology. Presently, Bechtel Hanford, Inc. is working on the cost and schedule analysis for deployment at the 216-Z-9 trench (please see attached draft schedule). For this project to succeed, the technical and financial feasibility must be thoroughly evaluated, and the funding sources identified and secured. It is our intention to complete this analysis by May 15, 2000. In the mean time, the SVE system will remain in standby mode and soil vapor monitoring will continue. At the present time, carbon tetrachloride rebound concentrations have remained consistent with rebound concentrations from the previous years.

Therefore, RL is requesting EPA to concur with the temporary suspension of active SVE system operations until May 15, 2000, to enable the completion of the cost and schedule analysis of the PITT technology and to minimize funds spent on operating the SVE system that can be dedicated to the deployment of the PITT technology. At that time, a decision to deploy the PITT technology will be made. If the final cost and schedule analysis present any obstacles to the deployment of the PITT test, EPA will be informed of such obstacles and discussions will be started to evaluate the subsequent steps.

Mr. Douglas R. Sherwood
00-ERD-090

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Your concurrence with this proposal is greatly appreciated. If you have any questions regarding this matter, please contact Arlene Tortoso of my staff at (509) 373-9631.

Sincerely,



Helen E. Bilson, Assistant Manager
for Environmental Restoration and Waste Management

ERD:ACT

Attachment

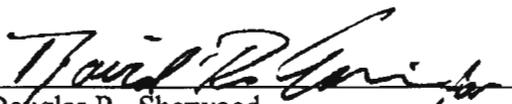
cc w/attach:

J. A. Hedges, Ecology
M. K. Harmon, EM-43
D. A. Faulk, EPA

cc w/o attach:

M. J. Graham, BHI
G. B. Mitchem, BHI

Concurrence:


Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency

30 Mar 2000
Date

