



Department of Energy

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

Mr. Roger F. Stanley, Director
Tri-Party Agreement Implementation
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

Dear Messrs. Sherwood and Stanley:



SUBMITTAL OF THE LIMITED FIELD INVESTIGATION (LFI) REPORT FOR THE 100-HR-3 OPERABLE UNIT (OU), DRAFT A (DOE/RL-93-43 [ENCLOSURE 1]) AND THE QUALITATIVE RISK ASSESSMENT (QRA) FOR THE 100-HR-3 GROUNDWATER OU (WHC-SD-EN-RA-007, REV. 0 [ENCLOSURE 2])

Enclosed please find the subject LFI Report and QRA submitted by the U.S. Department of Energy, Richland Operations Office (RL), to the State of Washington Department of Ecology (Ecology) and the U.S. Environmental Protection Agency (EPA) for review. Submittal of the 100-HR-3 OU LFI Report to Ecology and EPA by October 31, 1993, completes the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-15-06A. The 100-HR-3 OU QRA is provided to facilitate review of the LFI Report. As an LFI Report is roughly analogous to a Phase I Remedial Investigation Report, defined in Table 9-2 of the Tri-Party Agreement Action Plan as a secondary document, RL requests Ecology comments (as the lead regulatory agency for the 100-HR-3 OU) by December 15, 1993.

The purpose of the 100-HR-3 OU LFI Report is for RL to recommend whether groundwater underneath the 100-HR and 100-DR Reactor Areas and the 600 Area in between continues to be a candidate for an Interim Remedial Measure (IRM) since completion of the 100-HR-3 OU LFI. This LFI Report is a compilation and evaluation of data collected from completion of various tasks as identified in the 100-HR-3 OU Resource Conservation and Recovery Act Facility Investigation/Corrective Measures Study Work Plan (approved by Ecology on October 23, 1992). With this data, and a summary of the associated 100-HR-3 OU QRA, the LFI Report provides a basis for making a defensible recommendation on 100-HR-3 groundwater OU IRM candidacy.

RL recommends that remediation activities be initiated through the accelerated start of pilot scale pump and treat projects for 100-HR-3 OU groundwater, consistent with recently completed negotiations and forthcoming public review. Because evaluation of 100-HR-3 OU LFI data confirm occurrence of groundwater contamination due to past activities in the 100-HR and 100-DR reactor areas, RL further recommends continued monitoring of groundwater for key contaminants. Although RL recommends that groundwater in the 100-HR-3 OU be

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removed from continued IRM candidacy at this time, both previously mentioned activities will support final remedy selection for the OU. An IRM may be recommended at a later date, if warranted, due to adverse change of 100-HR-3 groundwater conditions. The treatment systems and monitoring activities (wells, pumps, surface equipment, and disposal) may be modified/expanded as needed to improve the efficiency of the final remedy for the 100-HR-3 OU.

Please address any comments or questions regarding this correspondence or Hanford Site 100-HR-3 OU past-practice environmental investigations to Mr. Eric Goller on (509) 376-7326.

Sincerely,



Steven H. Wisness
Hanford Project Manager

ERD:EDG

Enclosures: As stated

cc w/encls:

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