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Department of Energy

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Richland Operations Office
P.O. Box 550
Richland, Washington 99352

FEB 28 1994

94-ERB-077

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Nuclear and Mixed Waste
State of Washington
Department of Ecology
7601 W. Clearwater, Suite 102
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Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352



Dear Messrs. Nylander and Sherwood:

SUBMITTAL OF THE LIMITED FIELD INVESTIGATION (LFI) REPORT (ENCLOSURE 1) FOR THE 100-KR-1 OPERABLE UNIT (OU), DRAFT A (DOE/RL-93-78), AND THE QUALITATIVE RISK ASSESSMENT (QRA [ENCLOSURE 2]) FOR THE 100-KR-1 SOURCE OU (WHC-SD-EN-RA-009, REV. 0)

Enclosed please find the subject documents submitted by the U.S. Department of Energy, Richland Operations Office (RL), to the U.S. Environmental Protection Agency (EPA) and the State of Washington Department of Ecology (Ecology) for review. Submittal of the 100-KR-1 OU LFI Report completes Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone M-15-10B which requires RL to submit the 100-KR-1 OU LFI Report to EPA and Ecology by August 31, 1994. The 100-KR-1 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 EPA comments (as the lead regulatory agency for 100-KR-1) 45 days after receipt of the subject documents.

RL, EPA, and Ecology agreed to the unique concepts of LFIs and QRAs when adopting the Hanford Site Past-Practice Strategy (HSPPS) for use in September 1991 to create a bias for action. An LFI is an effort to collect limited additional site data which are sufficient to support a decision on conducting expedited response actions or interim remedial measures (IRMs). A QRA is a characterization of risk to human health and the environment associated with waste site contamination not based solely on quantification using existing and available site data. Preparation of an OU specific QRA is a task incorporated in the corresponding OU specific LFI Report. Since September 1991, RL, EPA, and Ecology have worked together on a daily basis to implement HSPPS and conduct LFIs at Hanford.

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Messrs. Nylander and Sherwood
94-ERB-077

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cc w/encls:

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T. Wooley, Ecology (3)

cc w/o encls:

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Becky A. Austin

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Subject: SUBMITTAL OF THE LIMITED FIELD INVESTIGATION (LFI) REPORT (ENCLOSURE 1) FOR THE 100-KR-1 OPERABLE UNIT (OU), DRAFT A (DOE/RL-93-78), AND THE QUALITATIVE RISK ASSESSMENT (QRA [ENCLOSURE 2]) FOR THE 100-KR-1 SOURCE OU (WHC-SN-EN-RA-009, REV. 0)

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