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Mr. Paul T. Day
Hanford Project Manager
U.S. Environmental Protection Agency
Region 10
712 Swift Boulevard, Suite 5
Richland, Washington 99352

Mr. David B. Jansen, P.E.
Hanford Project Manager
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

Dear Messrs. Day and Jansen:

100-KR-4 OPERABLE UNIT (OU) LIMITED FIELD INVESTIGATION (LFI) VALIDATED DATA

References: (1) DOE/RL-90-21, Remedial Investigation/Feasibility Study Work Plan for the 100-KR-4 Operable Unit, Hanford Site, Richland, Washington, Revision 0, dated September 1992. 24567

(2) WHC-SD-EN-SPP-002, Data Validation Procedures for Chemical Analyses, Revision 1, dated April 1, 1992. 20076

(3) WHC-SD-EN-SPP-001, Data Validation Procedures for Radiological Analyses, Revision 0, dated January 21, 1992. 18638

(4) RL-TPA-90-0001, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Handbook, Revision 0, "Release of Uninterpreted Data Packages to the Regulators," dated December 14, 1990. 10867

Enclosed please find two reports containing validated data summaries from analytical laboratory chemical and radiological analysis of soil and groundwater samples collected during LFI activities for the 100-KR-4 OU. The U.S. Department of Energy, Richland Field Office (RL) submits these reports to the U.S. Environmental Protection Agency (EPA) and the State of Washington Department of Ecology (Ecology) to complete Hanford Federal Facility Agreement and Consent Order Interim Milestone M-15-11A.

Three items provided as enclosures for this letter are listed below:

1. A map of 100-KR-4 OU groundwater monitoring well locations.

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2. Data Validation Report for the 100-KR-4 Operable Unit Groundwater Drilling, WHC-SD-EN-TI-134, Revision 0 (soil samples). 26952

3. Data Validation Report for the 100-KR-4 Operable Unit Groundwater Samples, WHC-SD-EN-TI-135, Revision 0 (groundwater samples). 26961

Fifteen out of twenty-seven data packages were validated for the soil samples collected during installation of seven new groundwater monitoring wells in the 100-K Reactor Area (reference 1), and seventeen out of twenty-four data packages were validated for water samples collected for the first round of quarterly groundwater monitoring. This complies with the ten percent validation requirement as specified in the 100-KR-4 OU Work Plan (reference 1). An RL contractor, Westinghouse Hanford Company (WHC), completed the 100-KR-4 OU data validation task by a review of laboratory performance and implementation of WHC data validation procedures (references 2 and 3). RL submits the data validation reports to EPA and Ecology per procedures contained in the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Handbook (reference 4).

The reports include a summary of the validation with text describing the validation process and discussion of the results of validation. Also included are summary tables which give the analytical results for each sample.

Please address any comments or questions regarding this correspondence or 100 Area past-practice environmental investigations to Mr. E. D. Goller on (509) 376-7326.

Sincerely,

Steven H. Wisness
Hanford Project Manager

Enclosures: As stated

cc w/encls:
L. Gadbois, EPA
D. Goswami, Ecology
R. W. Scheck, Dames and Moore
Administrative Record

cc w/o encls:
B. A. Austin, WHC w/enc.
S. Balone, EM-442
J. K. Patterson, WHC
R. P. Henckel, WHC
A. D. Krug, WHC
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R. D. Wojtasek, WHC

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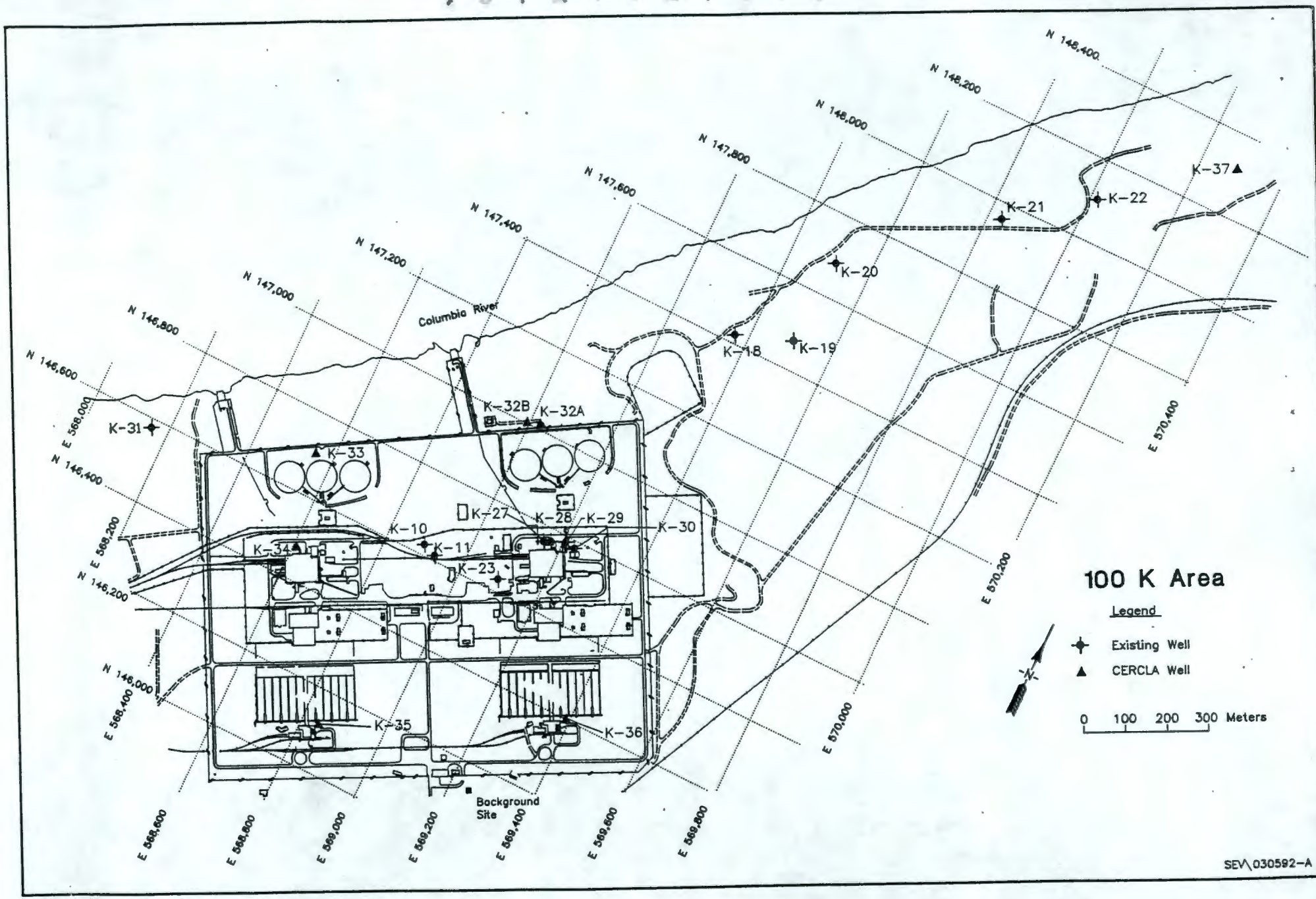

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Subject: 100-KR-4 OPERABLE UNIT LIMITED FIELD INVESTIGATION (LFI) VALIDATED DATA

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Enclosure is available at EDMC.

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