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Department of Energy

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Mr. Dave C. Nylander
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State of Washington
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7601 W. Clearwater, Suite 102
Kennewick, Washington 99336

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:

COMPLETION OF 100 AREA OPERABLE UNIT (OU) INTERIM MILESTONES

The purpose of this letter is for the U.S. Department of Energy, Richland Operations Office (RL), to document completion of the Hanford Federal Facility Agreement and Consent Order interim milestones M-15-05B, M-15-06B, and M-15-13A to the U.S. Environmental Protection Agency (EPA) and the State of Washington Department of Ecology (Ecology).

M-15-05B: Complete 100-HR-1 OU Treatability Study Activities.

RL completed the 100 Area Excavation Treatability Study field activities on November 12, 1993. The completion of field activities included excavation of the 116-F-4 liquid waste disposal facility to a depth of 18 feet below ground surface, and collection of six samples to characterize soil to a depth up to 26 feet below ground surface. The cognizant 100 Area OU Managers' (RL: E. Goller, EPA: P. Innis, and Ecology: T. Wooley) visited the excavation on November 10, 1993, to verify total depth completion and to select final soil sampling locations and depths.

M-15-06B: Complete 100-HR-3 OU Treatability Study Activities.

RL, EPA, and Ecology agreed to conduct groundwater treatment tests on 100-HR-3 OU groundwater containing chromium, uranium and nitrate (reference: "100-HR-3 Groundwater Treatability Test Plan," Rev 0, DOE/RL-92-73). The agreed upon testing included evaluation of effectiveness of chemical precipitation and ion exchange treatment technologies on chromium and uranium, and biodenitrification treatment on nitrate. According to the "100 Area NPL Site Agreement/Change Control Form," Number 58, the "Milestone M-15-06B will be considered complete when laboratory bench-scale efforts are completed by November 30, 1993." The

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bench-scale efforts at both the Pacific Northwest Laboratory (PNL) and the Westinghouse Hanford Company (WHC) 222S laboratories were completed during October 1993. RL presented documentation to EPA and Ecology verifying near completion of the tests at the 100 Area OU Managers' Meeting on September 29, 1993. The WHC supporting document reports (detailing biodenitrification studies by PNL and precipitation/ion exchange studies by WHC) will be issued by January 30, 1994.

M-15-13A: Submit validated data of all sampling activities associated with Section 5.1.1.2, "Source Investigations," and Section 5.1.1.5, "Vadose Zone Investigations" for 100-FR-1 OU to Ecology and EPA.

RL submitted the "Data Validation Report for the 100-FR-1 Operable Unit Vadose Soil," Rev 0. (WHC-SD-EN-TI-191) to EPA and Ecology at the 100 Area OU Managers' Meeting on September 29, 1993. The minutes for the subject meeting document delivery of the stated document. 2116'

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

Sincerely,


Steven H. Wisness
Hanford Project Manager

END:EDG

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subject: COMPLETION OF 100 AREA OPERABLE UNIT (OU) INTERIM MILESTONES

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