



STAR

Department of Energy

Richland Field Office

P.O. Box 550

Richland, Washington 99352

0033017

9307720

94-ERB-029

DEC 02 1993

Mr. Dave C. Nylander
Nuclear and Mixed Waste
State of Washington
Department of Ecology
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

2.104

6807 5436 716

DEC 02 1993

Messrs. Nylander and Sherwood
94-ERB-029

-2-

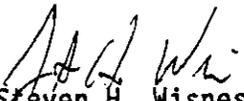
bench-scale efforts at both the Pacific Northwest Laboratory (PNL) and the Westinghouse Hanford Company (WHC) 222S laboratories were completed during October 1993. RL presented documentation to EPA and Ecology verifying near completion of the tests at the 100 Area OU Managers' Meeting on September 29, 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

cc: B. A. Austin, WHC
S. N. Balone, EM-442
P. R. Beaver, EPA
J. Donnelly, Ecology
D. Goswami, Ecology
R. P. Henckel, WHC
P. S. Innis, EPA
J. K. Patterson, WHC
R. W. Scheck, MACTEC
R. F. Stanley, Ecology
T. M. Wintczak, WHC
T. A. Wooley, Ecology

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
S. H. Wisness, RL	D. C. Nylander, Ecology D. R. Sherwood, EPA	Incoming:9307720

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

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		M. R. Adams	H6-01	
		L. D. Arnold	B2-35	
		B. A. Austin	B2-35	
		K. A. Gano	X0-21	
		R. P. Henckel	H6-02	
		G. W. Jackson	H6-21	
		A. D. Krug	H6-02	
		P. J. Mackey	B3-06	
		H. E. McGuire, Level 1	B3-63	
		S. R. Moreno	B3-06	
		J. K. Patterson	H6-27	
		J. A. Rivera	B2-16	
		T. M. Wintczak, Assignee	H6-27	
		EPIC	H6-08	

* This letter is being reissued to show that it cross references three outgoing letters: #9359848D, #9359871D, and #9359898.