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START

Department of Energy

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

9400683

JAN 27 1994

94-ERB-060

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:

SUBMITTAL OF DOE/RL-93-72, PROPOSED PLAN FOR THE 200-BP-1 SOURCE OPERABLE UNIT (OU), REVISION 0

The U.S. Department of Energy, Richland Operations Office (RL), is submitting the subject primary document for U.S. Environmental Protection Agency (EPA) and State of Washington Department of Ecology (Ecology) review. Submittal of this document meets the requirement of the Hanford Federal Facility Agreement and Consent Order Change Request M-15-93-01, by January 31, 1994.

The proposed plan highlights the detailed information that is included in the final Phase I Remedial Investigation Report (Rev. 0) and Phase I, II, and III Feasibility Study Report (Rev. 0) for the 200-BP-1 OU. The baseline risk assessment, conducted as part of the Phase I Remedial Investigation Report, indicates that the risk associated with the 200-BP-1 OU is within acceptable levels ( $<10^{-6}$ ) while maintaining current institutional controls. Potential risk associated with soils at depths of 2 to 15 feet and 15 to 50 feet below ground surface are  $10^{-5}$  and greater than  $10^{-2}$ , respectively. These elevated risk levels can only be realized by activities that intrude to these depths such as excavation without control.

A comprehensive evaluation of 10 alternatives against seven EPA criteria was conducted for treating contaminated soil in the Phase I, II, and III Feasibility Study Report. These alternatives included no action, institutional controls, three barrier options, four excavation options, and in-situ fixation. The evaluation concluded that the preferred alternative was a modified Resource Conservation and Recovery Act equivalent barrier. It is important to note that RL initially recommended deferring final remediation of the site since excavation (i.e., clean closure) of the BY Tank Farm might compromise the barrier in the Feasibility Study Report. However, RL also recognized that a final barrier is needed for the final closure of this OU. This deferral strategy was further supported by the aforementioned results of the risk assessment that indicates no immediate risk exist.

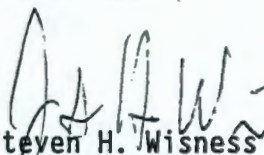
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Over the past months, RL has had a continuing dialogue with EPA and Ecology in order to reach a consensus on the preferred alternative. As a consequence, the three parties agreed to support a very critical assumption that the future remediation of the adjacent BY Tank Farm must not compromise performance of the final remediation activities at 200-BP-1. Although supporting this assumption may be premature at this time and require some risk-takings in the future, this agreement will facilitate completing the Record of Decision process by June 1994, and final remedial activities for this OU by October 1995. Further, information and knowledge gained during the course of closure of this OU will be applied to existing and forthcoming remediation efforts at the Hanford Site and make a significant quantity of contributions in streamlining and accelerating the cleanup process.

Should you have any questions or require any additional information, please contact Mr. P. M. Pak at (509) 376-4798.

Sincerely,



Steven H. Wisness  
Hanford Project Manager

END:PMP

Enclosure

cc w/encl:

B. Austin, WHC  
P. Beaver, EPA (3)  
D. Cartwright, Booz-Allen (2)  
C. Cline, Ecology (2)  
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B. Drost, USGS (2)  
R. Elliot, Dames & Moore  
D. Goswami, Ecology  
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M. Harmon, EM-442  
D. Teel, Ecology (2)  
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cc w/o encl:

L. Arnold, WHC  
M. Buckmaster, WHC  
H. Downey, WHC  
W. Johnson, WHC  
J. Monhart, EM-442  
T. Wintczak, WHC



9450631D  
ATTACHMENT 1

PROPOSED PLAN FOR THE 200-BP-1 OPERABLE UNIT  
REVISION 0  
DOE/RL-93-72

9450631D

# CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
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Subject: SUBMITTAL OF DOE/RL-93-72, PROPOSED PLAN FOR THE 200-BP-1 SOURCE OPERABLE UNIT (OU), REVISION 0

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		T. B. Veneziano	H6-32	
		T. M. Wintczak, Assignee	H6-27	
		<b>EPIC</b>	<b>H6-08</b>	
		200-BP-1 OU Project File	H6-03	

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Enclosure is the same as outgoing letter #9450631D, tmp 6-5813.

