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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 10 HANFORD PROJECT OFFICE  
712 SWIFT BOULEVARD, SUITE 5  
RICHLAND, WASHINGTON 99352



June 26, 1996

Nancy Werdel  
Project Manager  
U.S. Department of Energy  
P.O. Box 550 H0-12  
Richland, Washington 99352

Re: Approval of Remedial Design Report/Remedial Action Work Plan for the 100 Area and Approval of the 100-BC-1, 100-DR-1 and 100-HR-1 Sampling and Analysis Plan

Dear Ms. Werdel:

The U.S. Environmental Protection Agency (EPA) and the Washington State Department of Ecology (Ecology) have completed the review of the Remedial Design Report/Remedial Action Work Plan for the 100 Area as well as the 100-BC-1, 100-DR-1 and 100-HR-1 Sampling and Analysis plan. During our review several errors in the documents were found. These errors and suggested corrections are described below. EPA and Ecology conditionally approve these documents provided these comments are resolved and the documents revised.

EPA and Ecology require written confirmation that the U.S. Department of Energy (DOE) concur with our findings and suggested changes. Upon receipt of this concurrence, the Remedial Design and Sampling and Analysis Plan will be considered approved.

Table B-1 of the Remedial Design Report lists values of 0 inches of irrigation and an evapotranspiration coefficient of 96.7%. These values are incorrect. The correct values should be 30 inches of irrigation and an evapotranspiration coefficient of 91%. New tables will need to be generated using these revised input parameters.

Tables 2-1 and 2-7 of the Remedial Design Report and Tables I-4 and A-2 in the Sampling and Analysis Plan contain inconsistent and incorrect values for hexavalent chromium. The correct value for these tables should be the detection limit for hexavalent chromium of .7 mg/kg.

Table II-5 of the Sampling and Analysis Plan still references the use of grab samples. Sampling regimes for the deep zone will use composite samples. The table should be changed to reflect this.

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Nancy Werdel

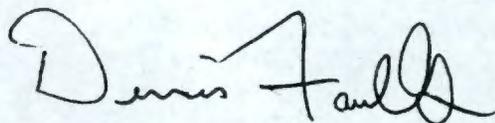
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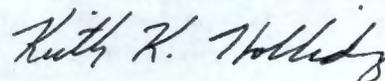
EPA and Ecology understand that DOE is currently producing a verification package for the 116-B-5 crib. This package should be submitted to EPA and Ecology for our review and approval.

If you have any questions or concerns regarding these comments feel free to contact Dennis at (509) 376-8631 or Keith at (509) 736-3036.

Sincerely,



Dennis Faulk  
EPA Project Manager



Keith Holliday  
Ecology Project Manager

cc: Steve Alexander, Ecology  
Dick Jaquish, DOH  
Kevin Oates, EPA  
Doug Sherwood, EPA  
Glenn Van Sickle, BHI  
Jerry Yokel, Ecology  
Administrative Record (100-BC-1, 100-DR-1, 100-HR-1)