



**Department of Energy**  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

0059725

03-WMD-0243

JUN 18 2003

Mr. Michael A. Wilson, Program Manager  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
1315 W. Fourth Avenue  
Kennewick, Washington 99336

**RECEIVED**  
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**EDMC**

Dear Mr. Wilson:

**COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER MILESTONE M-016-27C; COMPLETE 100-HR-3 PHASE III, IN SITU REDOX MANIPULATION (ISRM) BARRIER EMPLACEMENT**

The U.S. Department of Energy, Richland Operations Office (RL) has accomplished the subject milestone by completing the 100-HR-3 Phase III ISRM planning, well installation, and barrier emplacement at the 100-D Area within the 100-HR-3 Operable Unit. Tri-Party Agreement Change Request, M-016-02-02 dated June 20, 2002, modified the completion dated of Tri-Party Agreement Milestone M-016-27C, "Complete 100-HR-3 Phase III, ISRM Barrier Emplacement, Planning, Well Installation, and Barrier Emplacement", from September 30, 2002 to June 30, 2003. The milestone was completed on April 10, 2003.

This final phase of the ISRM barrier consisted of planning, drilling, and barrier placement for twenty-two wells. Seventeen wells were drilled in Fiscal Year (FY) 2002, twelve of which were injected at that time, along with five wells drilled the previous year. The remaining five FY 2002 wells were injected in March and April of this year. Completion of Phase III completes the entire ISRM barrier. The total barrier length is now 680 m (2,231 feet).

The Record of Decision Amendment (ROD) signed by the State of Washington, Department of Ecology (Ecology), RL, and the U.S. Environmental Protection Agency (EPA) in October 1999, specifies, "...the installation of the treatment barrier shall be initiated within 15 months after signing the ROD Amendment and fully implemented by the end of FY 2002. Design and schedule will be implemented in accordance with Remedial Design Report/Remedial Action Work Plan (RDR/RAWP)." An Explanation of Significant Difference to the ROD Amendment, signed by RL, Ecology, and EPA, revised the project completion date to June 30, 2003.

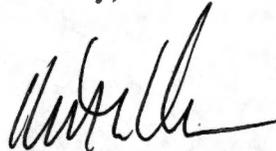
Mr. Michael A. Wilson  
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If you have any questions, please contact me, or you may contact Arlene Tortoso, Waste Management Division, on (509) 373-9631.

Sincerely,



Keith A. Klein  
Manager

WMD:ACT

cc: J.V. Borghese, FHI  
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K. Niles, OOE  
J. Price, Ecology  
P. Sobotta, NPT  
W. W. Soper, Ecology  
R. T. Wilde, DFSH  
Admin Record (100-HR-3 OU)