



U.S. Department of Energy

0060585

Office of River Protection

P.O. Box 450
Richland, Washington 99352

03-ED-157

OCT 21 2003

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

RECEIVED
OCT 23 2003
EDMC

Dear Mr. Wilson:

SUBMITTAL OF PERMIT DESIGN PACKAGES NOS. HLW-006, HLW-020, HLW-021, HLW-032, AND HLW-037 FOR THE WASTE TREATMENT AND IMMOBILIZATION PLANT

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Chapter 10 and Attachment 51, 'Waste Treatment and Immobilization Plant.'"

This letter submits the following Permit Design Packages for the State of Washington Department of Ecology (Ecology) approval, in accordance with the reference:

- HLW-006, Revision 0, "Tank System Secondary Containment for HLW Facility El. 0 ft;"
- HLW-020, Revision 0, "Containment Buildings for HLW Facility El. 0 ft;"
- HLW-021, Revision 0, "Container Storage Areas for HLW Facility El. 0 ft;"
- HLW-032, Revision 0, "Miscellaneous Treatment Unit Secondary Containment for HLW Facility El. 0 ft;" and
- HLW-037, Revision 0, "Melter 2 Offgas Treatment Process (HOP) SBS Condensate Receiver Vessel (HOP-VSL-00904).

The attached High-Level Waste (HLW) vitrification facility permit packages provide the information necessary for Ecology to confirm that the structures, equipment, and processes described in the permit package will comply with the reference. This information will allow Ecology to permit the installation of secondary containment for the 0 ft. elevation tank systems and miscellaneous treatment unit subsystems as well as containment buildings and container storage areas. Additionally, the attached information will allow Ecology to permit the installation of the HOP Submerged Bed Scrubber (SBS) Condensate Receiver Vessel (HOP-VSL-00904) in the HLW Facility at elevation -21 ft. This vessel is identical to the previously submitted and approved SBS Condensate Receiver Vessel (HOP-VSL-00903) for Melter 1.

Mr. Michael A. Wilson
03-ED-157

-2-

OCT 21 2003

Summary descriptions of the permit design packages are included in Attachment 1. Attachment 2 provides the U.S. Department of Energy and Bechtel National, Inc. certification statements, and Attachment 3 provides the above permit design packages.

Due to the potential sensitivity of the attached engineering information, Ecology is requested to place the data for public review in the standard information repositories, but not provide electronic dissemination of the information.

If you have any questions, please contact me, or your staff may contact Lori A. Huffman, Environmental Division, (509) 376-0104.

Sincerely,



Roy J. Schepens
Manager

ED:LAH

Attachments (3)

cc w/attachs (half size drawings):

B. G. Erlandson, BNI
J. P. Henschel, BNI
J. Cox, CTUIR
S. Harris, CTUIR
S. L. Dahl, Ecology
K. Elsethagen, Ecology
J. Grantham, Ecology
J. L. Hensley, Ecology
S. J. Skurla, Ecology (22)
S. A. Thompson, FHI
P. Sobotta, NPT
J. B. Hebdon, RL (w/o attachs)
A. C. McKarns, RL
R. Jim, YN
Administrative Record
Environmental Portal, LMSI