



U.S. Department of Energy

**Office of River Protection**

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FEB 06 2004

03-ED-162

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

**RECEIVED**  
FEB 19 2004

**EDMC**

Dear Mr. Wilson:

SUBMITTAL OF PERMIT DESIGN PACKAGES NOS. PTF-025 AND PTF-040 FOR THE WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP)

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 WTP permit design packages for the State of Washington Department of Ecology (Ecology) approval, in accordance with the reference.

- PTF-025, "Tank System Ancillary Equipment for Pretreatment Facility UFP System;" and
- PTF-040, "Tank System for Pretreatment Facility Ultrafiltration Process System (UFP) System."

The attached WTP Pretreatment Facility packages provide the information necessary for Ecology to confirm that the structures, equipment, and processes described in the permit packages will comply with the reference. This information will allow Ecology to permit the installation of the ultrafilters, process vessels, and their associated ancillary equipment for the PTF Ultrafiltration Process system.

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

Please note that the final design of the pulse jet mixers in the Ultrafiltration Feed Vessels (Vessel No.s UFP-VSL-00002A/B) is currently on hold pending completion of optimization testing. When the design details are finalized, the appropriate engineering information will be updated.

Mr. Michael A. Wilson  
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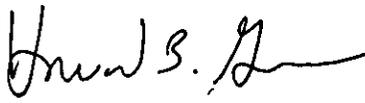
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Dangerous Waste Permit (DWP) package submittals are certified coincident with issuance of the integrity assessment report contained in the package. Permit affecting design changes not included in, or occurring after issuance of, the final integrity assessment report will be processed in accordance with DWP requirements for permit modification prior to construction or installation of affected equipment and components. Installation of equipment and components will be done in accordance with permit packages approved and incorporated into the DWP by Ecology.

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,

  
For Roy J. Schepens  
Manager

ED:LAH

Attachments (3)

cc w/attachs:

B. G. Erlandson, BNI  
J. P. Henschel, BNI  
J. Markillie, BNI (w/o attachs)  
J. Cox, CTUIR  
S. Harris, CTUIR  
R. K. Biyani, Ecology  
S. L. Dahl, 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