



U.S. Department of Energy
Office of River Protection

0063265

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

DEC 10 2004

04-ED-102

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99352

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EDMC

Dear Mr. Wilson:

SUBMITTAL OF PERMIT DESIGN PACKAGE NOS. HLW-029 AND HLW-031 FOR THE
WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP)

- References:
1. 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.'"
 2. ORP letter from R. J. Schepens to M. A. Wilson, "Response to Corrective Measures for Concerns One, Two, and Three to the State Of Washington Department of Ecology (Ecology) Notice Of Concerns For The Waste Treatment and Immobilization Plant," 04-ED-101, dated November 22, 2004.

This letter submits the following permit design packages and permit document for the State of Washington Department of Ecology (Ecology) review and approval, in accordance with the Reference:

- HLW-029, Revision 0, "Tank System for HLW El. 0 ft. (HSH System);"
- HLW-031, Revision 0, "Miscellaneous Treatment Units (PJV System);" and
- Installation of Tank Systems and Miscellaneous Unit Systems (24590-WTP-PER-CON-02-001, Revision 3).

The High-Level Waste (HLW) Facility permit design 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 HLW Melter Cave Support Handling (HSH) System tanks and the miscellaneous treatment units associated with the Pulse Jet Ventilation (PJV) System.

Summary descriptions of the permit design packages are included in Attachment 1. Attachment 2 provides the permit design packages and the permit document no. 24590-PER-CON-02-001. This document was previously provided uncertified under separate cover (Reference 2). Attachment 3 provides the Bechtel National, Inc. and U.S. Department of Energy certification statements for the permit packages and the permit document.

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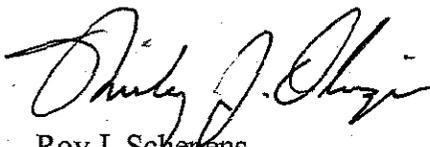
Dangerous Waste Permit (DWP) package submittals are certified coincident with issuance of the integrity assessment report contained in the package. Permit affecting design changes not included in, or occurring after issuance of, the final integrity assessment report will be processed in accordance with 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.

Permit Package HLW-031 includes the engineering specification for High Efficiency Particulate Air (HEPA) Filters. The specification identifies American Society of Mechanical Engineers (ASME) AG-1, Code on Nuclear Air and Gas Treatment, as an applicable document. Consistent with approval received from the State of Washington Department of Health, code compliance matrices will be submitted to the Agency describing the portions of ASME AG-1 Code on Nuclear Air and Gas Treatment that are applicable to radial HEPA filters and housings. Any changes that result in modifications to permit documents will be provided in future submittals.

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: See page 3

Mr. Michael A. Wilson
04-ED-102

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cc w/attachs:

B. G. Erlandson, BNI
J. P. Henschel, BNI
J. Cox, CTUIR
S. Harris, CTUIR
S. L. Dahl, Ecology
G. P. Davis, Ecology (w/o attachs)
E. A. Fredenburg, Ecology
S. J. Skurla, Ecology (23)
P. Sobotta, NPT
K. Niles, Oregon Energy (w/o attachs)
J. B. Hebdon, RL (w/o attachs)
A. C. McKarns, RL
R. Jim, YN
Administrative Record
Environmental Portal, LMSI