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07-ESQ-244

CCN: 168261

Ms. Jane A. Hedges, Program Manager  
Nuclear Waste Program  
Washington State  
Department of Ecology  
3100 Port of Benton Blvd.  
Richland, Washington 99354

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INFORMATION

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Dear Ms. Hedges:

SUBMITTAL OF WASTE TREATMENT AND IMMOBILIZATION PLANT FINAL DESIGN REPORTS

- References:
1. Ecology letter from S. Dahl to S. J. Olinger, ORP, and W. S. Elkins, BNI, "Submittal of Waste Treatment and Immobilization Plant (WTP) Final Independent Qualified Registered Professional Engineer (IQRPE) Design Reports," dated November 2, 2007.
  2. ORP/BNI letter from S. J. Olinger and W. S. Elkins to J. A. Hedges, Ecology, "Forecasted Submittal of Waste Treatment and Immobilization Plant (WTP) Final Design Reports," 07-ESQ-126/CCN: 161095, dated August 17, 2007.

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This letter provides additional information on the submittal of final Independent Qualified Registered Professional Engineering (IQRPE) reports (attachment) in response to Reference 1. Table 3 of Reference 1 listed IQRPE reports that will be submitted based on the final design, which were previously submitted as design intent. Bechtel National, Inc. (BNI) and U.S. Department of Energy, Office of River Protection (ORP) split Table 3, provided in Reference 2, into three categories. The three categories selected are "Equipment Installed," "Installation in Progress," and "Equipment Not Installed." The three categories are represented by Tables A, B, and C respectively in the attachment.

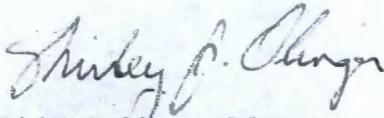
BNI and ORP plan to provide the IQRPE reports in Table 3, Reference 2, as soon as they become available after final design and installation are complete. BNI will issue the IQRPE reports based on final design only once so the dates provided in Reference 2 were based on the latest expected submittal dates. With the complexities associated with procurement, vendor submittals, and the potential for resequencing construction activities, providing additional estimated dates for submittal of IQRPE reports will not produce a more accurate schedule for when the Washington State Department of Ecology (Ecology) will actually receive the IQRPE reports. As the final IQRPE reports are being prepared, they will be listed in the 90-day Permit Change Notice look-ahead report that is updated and distributed informally to Ecology weekly.

Ms. Jane A. Hedges  
07-ESQ-244

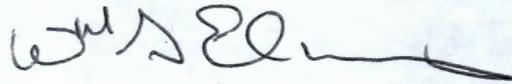
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If you have any questions, please contact either of us, or your staff may contact either  
Lori A. Huffman, Division Director, Environmental Compliance Division, (509) 376-0104, or  
Stan Hill, BNI, (509) 371-3432.



Shirley J. Olinger, Manager  
Office of River Protection



W. S. Elkins, Project Director  
Bechtel National, Inc.

ESQ:LAH

Attachment:

cc w/attach:

W. S. Elkins, BNI

B. G. Erlandson, BNI

J. S. Hill, BNI

P. E. Peistrup, BNI

B. Becker-Khaleel, Ecology

S. L. Dahl, Ecology

E. A. Fredenburg, Ecology

Administrative Record (WTP H-0-8)

BNI Correspondence

Attachment  
07-ESQ-244

Construction Status of Design Intent Independent Qualified  
Registered Professional Engineering Reports



**Construction Status of Design Intent IQRPE Reports  
(Current as of December 11, 2007)**

**Table A - Equipment Installed**

<b>Package Number</b>	<b>Package Name</b>
HLW-002	El. -21' HOP Tanks (Vessel 903 only)
HLW-010	El. -21' HOP Misc. Treat. Sub-Sys. (Ag-M)
HLW-037	El. -21' HOP Tanks (Vessel 904 only)
LAB-003	Tank System Ancillary Equipment for the Analytical Laboratory RLD System
LAW-001	El. -21' Tank System Secondary Containment
LAW-002	Tank System Tank at El. -21'
LAW-005	El. 3' Tank System Secondary Containment
LAW-006	El. 3' LOP Tank System
LAW-007	El. 3' MTU Secondary Containment
LAW-009	El. 3' RLD Tank System
LAW-010	El 3' LCP Tank System [Submitted to Ecology 12/4/07, CCN 168867]
LAW-011	El. 3' LFP Tank System
LAW-020	El. +28 ft Tank Secondary Containment
LAW-022	El. +28 LVP Tank System [Approved by Ecology 10/15/07, CCN 166225]
PTF-001	Below Grade Pit and Walls to Grade
PTF-009	FRP Tank System
PTF-010	FEP Tank System
PTF-011	CNP Tank System
PTF-017	TCP Tank System
PTF-018	RDP Tank System
PTF-019	RLD Tank System (Interior Tanks)
PTF-020	PWD Tank System Above Grade (Vessels PWD-VSL-00015 & -00016)
PTF-074	El. 28' Tank System Secondary Containment

**Table B - Installation in Progress**

<b>Package Number</b>	<b>Package Name</b>
HLW-001	El. -21' Tank System Secondary Containment
HLW-006	El. 0' Tank System Secondary Containment
HLW-009	HOP Tank System Ancillary Equipment for HOP-VSL-00903/00904
HLW-032	El. 0' MTU Secondary Containment
HLW-038	RLD HCP Double Wall Pipe
LAB-001	Tank System Secondary Containment for LAB Facility El. -19 ft 2 in
LAB-002	Tank System for Analytical Laboratory RLD System
LAB-004	Below Grade RLD Tank System Secondary Containment for Analytical Laboratory
LAW-003	Tank System Ancil. Eqpt. at El. -21'
LAW-012	RLD Ancillary Equipment
LAW-013	LCP Ancillary Equipment
LAW-014	LFP Ancillary Equipment
LAW-015	LOP Ancillary Equipment
LAW-017	El. 3' LOP MTU
LAW-019	El. 3' MTU LOP Equipment
LAW-023	El. +28 ft LVP Ancillary Equipment
LAW-029	LCP/RLD/LVP El. -21 Ancillary Equipment (Piping Only)
PTF-002	PTF El. 0 Secondary Containment
PTF-004	Below Grade PWD Ancillary Equip
PTF-005	PTF-040
PTF-006	PTF El. 0 MTU Secondary Containment
PTF-013	TLP Tank System
PTF-015	CXP Tank System

**Table C - Equipment Not Installed**

<b>Package Number</b>	<b>Package Name</b>
HLW-004	HDH Tank System
HLW-005	RLD Tank System Ancillary Equipment
HLW-011	RLD Tank System
HLW-014	PJV Miscellaneous Treatment Sub-System Equipment
HLW-015	HOP MTU Sub-Systems El. 0
HLW-016	El. 37 MTU Sub-System Secondary Containment
HLW-017	HFP Tank System Ancillary Equipment
HLW-023	PVV Piping
HLW-025	HOP MTU Sub-System Equipment El. 0
HLW-026	HOP MTU Sub-System: El. 0 and Above
HLW-027	HOP MTU Ancillary Equipment Above El. 0
HLW-029	HSH Tank System
HLW-031a	PJV Miscellaneous Treatment Sub-System
HLW-033	El. -21 HOP Misc. Treat. Sub-Sys. (Booster Fans)
HLW-034	HOP MTU Sub-System El. -21 & Equipment incorporates HLW-024
LAW-024	El. +48 ft LVP Misc. Unit Subsystem Equipment
PTF-021	PVP Tank System
PTF-022	El. 0 PJV Tank System
PTF-023	FRP Ancillary Equipment
PTF-024	FEP Ancillary Equipment
PTF-025	UFP Ancillary Equipment
PTF-026	HLP Ancillary Equipment
PTF-027	CXP Ancillary Equipment
PTF-028	CNP Ancillary Equipment
PTF-031	TLP Ancillary Equipment
PTF-032	TCP Ancillary Equipment
PTF-033	RDP Ancillary Equipment
PTF-034	RLD Ancillary Equipment System (Interior/Exterior)
PTF-035	PWD Ancillary Equipment System Above Grade
PTF-036	PVP Ancillary Equipment: Piping Only
PTF-043	CNP MTU Components
PTF-045	CNP MTU Ancillary Equipment
PTF-058	El. 77' MTU Secondary Containment
PTF-064	El. +56' MTU Secondary Containment
PTF-067	FEP MTU Components
PTF-068	TLP MTU Components
PTF-069	FEP MTU Ancillary Equipment

**Table C (Continued) - Equipment Not Installed**

<b>Package Number</b>	<b>Package Name</b>
PTF-070	TLP MTU Ancillary Equipment
PTF-077	El. 0' PVP MTU Components
PTF-083	El. 0' PVP MTU Ancillary Equipment
PTF-086	RDP Tank System - RDP-VSL-00004
PTF-087	RDP Ancillary Equipment - RDP-VSL-00004
PTF-088	PVP Tank System Ancillary Equipment
PTF-089	PJV Ancillary Equipment