



07-WTP-097

APR 02 2007

CCN: 154880

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

RECEIVED
APR 03 2007
EDMC

Dear Ms. Hedges:

CONTINUED FABRICATION AND ASSEMBLY OF VESSELS WITH PULSE JET MIXERS (PJM)

- References:
1. Ecology letter from S. Dahl to R. J. Schepens, ORP, and W. S. Elkins, BNI, "Approval to Install External Cooling Jackets in Selected Waste Treatment Plant Vessels," dated October 26, 2006. *0071495*
 2. ORP and BNI letter from R. J. Schepens, ORP, and W. S. Elkins, BNI, to J. A. Hedges, Ecology, "Continued Fabrication of Selected Waste Treatment and Immobilization Plant (WTP) Vessels," 06-ESQ-145, dated October 19, 2006. *0071486*
 3. Ecology letter from S. Dahl, to R. J. Schepens, ORP, and W. S. Elkins, BNI, "Wear Allowance and Integrity Assessment for Vessels with Pulse Jet Mixers," dated June 28, 2006. *0070086*
 4. ORP and BNI letter from R. J. Schepens, ORP, and W. S. Elkins, BNI, to J. A. Hedges, Ecology, "Wear Allowances and Integrity Assessment for the Waste Treatment and Immobilization Plant (WTP) Vessels with Pulse Jet Mixers (PJM)," 07-WTP-060/CCN: 150212, dated February 28, 2007. *0072330*

In Reference 1, the Washington State Department of Ecology (Ecology) approved the U.S. Department of Energy, Office of River Protection (ORP) request in Reference 2 for concurrence with proceeding with the installation of external cooling jackets on the vessel shells and heads for Vessels HLP-VSL-0027A, HLP-VSL-0027B, and HLP-VSL-0028 with the understanding that this work would not preclude installation of wear plates.

In Reference 3, Ecology provided two options to achieve Ecology concurrence on the vessels wear allowance: provide additional wear plate thickness; or conduct facility specific erosion testing. The Waste Treatment and Immobilization Plant elected in Reference 4 to conduct

APR 02 2007

Ms. Jane A. Hedges
07-WTP-097

-2-

CCN: 154880

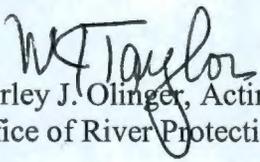
testing which is expected to complete around the end of April 2007. The timing for completion of testing led Bechtel National, Inc. (BNI) to evaluate the potential for additional work that could be accomplished on these vessels to maintain continuity for the fabricator since work on the cooling jackets is nearing completion. BNI determined that the following work could be performed without impacting any potential changes to the wear plates:

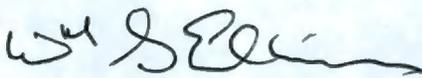
- Rework and fabrication of the fillet welds on the PJM satellite cones in the following vessels:
 - HLP-VSL-00027A/B
 - HLP-VSL-00028
 - UFP-VSL-0002A/B

- Completion of the welding of the nozzles in:
 - HLP-VSL-00027A/B
 - HLP-VSL-00028

This work will allow the supplier to continue progress on the vessels in order to mitigate impacts to the shop resources, yet does not affect any potential changes to the wear plates. Based upon agreement with your staff (E. A. Fredenberg) on March 28, 2007, ORP and BNI request that Ecology formally concur with execution of work identified above.

If you have any questions, please contact us, or your staff may contact John R. Eschenberg, Project Manager, Waste Treatment and Immobilization Plant Project, (509) 376-3681, or Mr. Leon Lamm, BNI, (509) 371-3600.

for

Shirley J. Olinger, Acting Manager
Office of River Protection


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

WTP:BLN

cc: C. M. Albert, BNI
J. M. Atwood, BNI
B. Dubiel, BNI
W. S. Elkins, BNI
B. G. Erlandson, BNI
P. A. Fisher, BNI
D. A. Klein, BNI
L. T. Lamm, BNI
P. E. Peistrup, BNI
C. J. Winkler, BNI
M. Anderson-Moore, Ecology
B. Becker-Khaleel, Ecology
L. J. Cusack, Ecology

S. L. Dahl, Ecology
G. P. Davis, Ecology
K. Elsethagen, Ecology
E. A. Fredenburg, Ecology
A. Hamar, Ecology
S. A. Thompson, FHI
K. Niles, Oregon Energy
A. C. McKarns, RL
Administrative Record (WTP H-0-8)
BNI Correspondence
Environmental Portal, LMSI