



OCT 02 2008

08-ESQ-221

CCN: 180193

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

RECEIVED  
OCT 07 2008  
EDMC

Dear Ms. Hedges:

STEAM CLEANOUT OF PLUGGED PIPING CALCULATION

Reference: Ecology letter from E. Fredenburg to S. J. Olinger, ORP, and W. S. Elkins, BNI, "Steam Cleanout of Plugged Piping Calculation," dated June 26, 2008.

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In the Reference, the Washington State Department of Ecology (Ecology) requested Bechtel National, Inc. (BNI) to perform calculations that estimate the dynamic pressure in the Melter Cave Support Handling System Decontamination Tanks (HSH-TK-00001/2) and its consequences. BNI has evaluated the level of work required to complete the requested analysis and estimates that it will take four to five months to complete. The analysis is expected to be available to Ecology by March 31, 2009. The analysis will be performed using the software packages FLUENT, and ANSYS that are finite volume computational fluid dynamics and finite element structural strength programs, respectively.

If you have any questions, please contact either of us, or your staff may contact either Lori A. Huffman, 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

cc: See page 2

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Administrative Record (WTP H-0-8)  
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