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TANK SPACE OPTIONS REPORT

Pages: 159



U.S. Department of Energy
Office of River Protection

P.O. Box 450
Richland, Washington 99352

0056545

02-REQ-003

FEB 25 2002

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

RECEIVED
FEB 27 2002
EDMC

Dear Mr. Wilson:

COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) INTERIM MILESTONE M-45-12-T01, "SUBMISSION OF AN OPTIONS REPORT DOCUMENTING DOE ASSESSMENT OF ACTIONS THAT COULD BE TAKEN TO INCREASE AVAILABLE TANK SPACE FOR SST WASTE RETRIEVAL."

Tri-Party Agreement M-45-12-T01, "Submission of an Options Report Documenting DOE Assessment of Actions that could be taken to Increase Available Tank Space for SST Waste Retrieval," requires that documentation of an assessment of actions that could be taken to increase available tank space for Single-Shell Tank (SST) retrieval. This letter transmits the document prepared in response to this milestone: "Tank Space Options Report," RPP-7702, Revision 0.

This assessment was initiated via a workshop to identify, develop, and categorize options that could increase available tank space. The workshop focused on options that would provide space in the 2007 to 2011 timeframe because this is the timeframe where the existing space would be fully utilized. The workshop participants established basic criteria to evaluate options including technical feasibility, maintainability, operability, risk reduction, schedule, and cost. The team made an initial selection based on these criteria to focus further analysis on the options most likely to help make space between 2007 to 2011. Additional discussion considered options that could help make space after this timeframe. A second workshop was held with the State of Washington Department of Ecology staff and a member of the Hanford Advisory Board to discuss the results of the first workshop and to develop a format and content for the report. This document has been developed based on this input and includes information developed at the two workshops.

The attached Tank Space Options Report presents the results from the analysis of eight options that have the potential to increase available tank space from 2007 to 2011. The options have the potential to increase available tank space by 5 to 10 million gallons with initial cost per gallon ranging from less than \$1 per gallon to more than \$14 per gallon. Construction of new double-shell storage tanks is estimated at approximately \$63 per gallon.

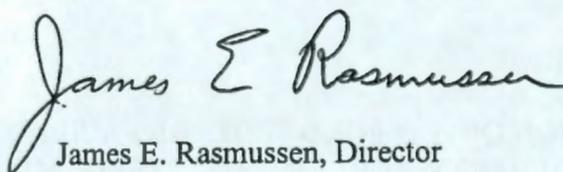
Mr. Michael A. Wilson
02-REQ-003

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This report compliments the previous submittals for Tri-Party Agreement Milestones M-45-02F, M-46-00H and M-46-01H, Submission of SST Retrieval Sequence and Double-Shell Tank (DST) Space Evaluation Report. The U.S. Department of Energy, Office of River Protection (ORP) believes that all of the above items are key to evaluating future DST space availability and requirements.

If you have any questions, please contact E. J. Cruz, ORP, (509)-372-2606.

Sincerely,



James E. Rasmussen, Director
Environmental Management Division

REQ:EJC

Attachment

cc w/attach:

R. Gay, CTUIR
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J. Lyons, Ecology
R. F. Stanley, Ecology
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T. Martin, HAB
P. Sobotta, NPT
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E. M. Mattlin, RL
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TPA Administrative Record

cc w/o attach:

P. Peistrop, BNI
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