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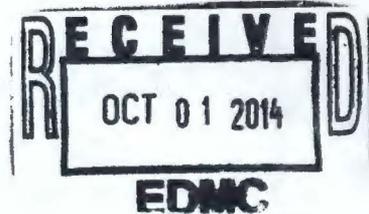
OFFICE OF RIVER PROTECTION

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14-TF-0074

JUL 07 2014

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



Ms. Hedges:

COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER TARGET M-045-91G-T03, DUE OCTOBER 31, 2014

Reference: WRPS letter from D.L. Olson to K.W. Smith, ORP, "Washington River Protection Solutions LLC Submittal of Hanford Federal Facility Agreement and Consent Order Target Milestone M-045-9 1G-T03 Deliverable," WRPS-1402155, dated June 12, 2014.

This letter documents the completion of the Hanford Federal Facility Agreement and Consent Order Target M-045-91G-T03. This target date requires that the U.S. Department of Energy, Office of River Protection complete a report documenting the structural analysis of record (AOR) of Hanford 1,000,000 gallon single-shell tanks (SST). The analysis was completed per RPP-46442, the *Single-Shell Tank Structural Evaluation Criteria*.

The structural AOR is documented in RPP-RPT-49991, *Single-Shell Tank Integrity Project Analysis of Record Tank to Tank Interaction Study of the Hanford Single-Shell Tanks*, and RPP-RPT-49992, *Single-Shell Tank Integrity Project Analysis of Record Hanford Type IV Single-Shell Tank Thermal and Operating Loads and Seismic Analysis*. RPP-RPT-49991, complements the Type IV AOR, and addresses the close tank spacing seen in the 241-AX Farm in accordance recommendations provided by independent expert reviewers.

The AOR for 1,000,000 gallon SSTs evaluates the 75-foot diameter reinforced concrete structures located in Waste Management Areas A, AX, and SX. The analysis shows that the tank structures meet the criteria in RPP-46442 and are structurally sound.

RPP-RPT-49991 and RPP-RPT-49992 (Enclosure), have been peer reviewed by recognized industry experts, with comments incorporated. Due to the size of the reports, the reports are being transmitted on the enclosed compact discs and have also been added to the Tri-Party Agreement Administrative Record and can be accessed using the links below.

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Jane A. Hedges
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RPP-RPT-49991 REV 0

<http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0085315>

RPP-RPT-49992 REV 0

<http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0085314>

If you have any questions, please contact Thomas W. Fletcher, Assistant Manager for Tank Farms, at (509) 376-3434.



Kevin W. Smith
Manager

Attachment - CDs

cc w/o attach:

S. Harris, CTUIR
J.M. Alzheimer, Ecology
J.J. Lyon, Ecology
J.B. Price, Ecology
N.H. Uziemblo, Ecology
D.A. Faulk, EPA
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S.E. Hudson, HAB
R.E. Piippo, MSA
K. Niles, ODOE
R. Buck, Wanapum
J.J. Luke, WRPS
T.J. Venetz, WRPS
R. Jim, YN
D. Rowland, YN
TPA Administrative Record
Environmental Portal, LMSI
WRPS Correspondence