



U.S. Department of Energy
Office of River Protection

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

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06-TED-018

MAR 31 2006

Ms. Jane Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99352

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EDMC

Dear Ms. Hedges:

HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER
(HFFACO) MILESTONE M-48-14, SUBMIT WRITTEN INTEGRITY REPORT FOR
THE DOUBLE-SHELL TANK (DST) SYSTEM

- References:
1. Ecology letter from J. Lyon to J. E. Rasmussen, ORP, "Response to the State of Washington Department of Ecology Letter Regarding the Exercising of Enforcement Discretion Against Secondary Containment for Transfer Lines SN-277 through SN-280, and LIQW-702," dated January 14, 2003.
 2. ORP letter from J. E. Rasmussen to M. A. Wilson, Ecology, "Response to the State of Washington Department of Ecology (Ecology) Letter Regarding the Exercising of Enforcement Discretion Against Secondary Containment for Transfer Lines SN-277 through SN-280, and LIQW-702," 02-OMD-046, dated July 24, 2002.
 3. Ecology letter from B. K. Jentzen to R. J. Schepens, ORP, "Request for a Variance from Secondary Containment Standards for Ten Double-Shell Tank (DST) System Dangerous Waste Transfer Lines," dated April 13, 2004.
 4. Ecology letter from J. J. Lyon to R. J. Schepens, ORP, "Response to the Request for Amendment of the Double-Shell Tank (DST) Deferred Use Components," dated April 29, 2005.
 5. ORP letter from R. J. Schepens, to M. A. Wilson, Ecology, "Request for Amendment of the Double-Shell Tank Deferred Use Components," 05-TPD-045, dated April 15, 2005.

HFFACO Milestone M-48-14 requires that a written integrity assessment report for the DST System comprised of the 28 DST's and their ancillary equipment be submitted to the State of Washington Department of Ecology (Ecology) by March 31, 2006. The attached document contains the written integrity assessment report certified by an Independent, Qualified, Registered, Professional Engineer (IQRPE) and media diskettes comprised of the supporting

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documentation for the written integrity assessment report. The assessment report documents the 28 DSTs and system components assessed as certified fit-for-use by the IQRPE.

Table A-1 lists each DST system component with the IQRPE statement of fitness for use. Components listed (e.g., sluice and drain pits, annulus pump pits, annulus pump return lines, and transfer lines) as "deferred use," "variance use," or "emergency use," and identified as "not authorized for use" are documented under previous correspondence between the U.S. Department of Energy, Office of River Protection and Ecology (References 1 through 5). There are no scheduled uses for the system components not certified as fit-for-use prior to the 2012 timeframe. Should any changes occur resulting in a need for use of these system components, required testing will be completed.

Planned field work involving six transfer lines assessed by the IQRPE requires that encasement pressure certification tests in 241-AW and 241-SY tank farms will be completed in Fiscal Year (FY) 2006. In addition, central pump pit 241-AP-106A and valve pit 241-SY-B upgrade work will be completed by the milestone date for M-48-07A. This work will be certified by an IQRPE as fit-for-use and will be included in a revision to the DST integrity assessment report in September 2006. Six other transfer lines assessed by the IQRPE requiring encasement pressure tests are scheduled for FY 2007 followed with the appropriate revision to the DST integrity assessment report.

If you have any questions, you may contact me, or your staff may contact Victor Callahan, Tank Farms Technical Engineering Division, (509) 373-9880.

Sincerely,


Roy J. Schepens, Manager
Office of River Protection

TED: VLC

Attachments:

1. RPP-28538
2. Media Diskettes (3)

cc w/attach 1:

TPA Administrative File

J. J. Lyon, Ecology

CH2M HILL Correspondence Control

cc w/o attaches:

G. P. Duncan, CH2M HILL