



U.S. Department of Energy

Office of River Protection

0067912

P.O. Box 450

Richland, Washington 99352

DEC 21 2005

05-TED-093

Mr. Michael A. Wilson, 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 Mr. Wilson:

LIST OF 200 EAST AREA DOUBLE-SHELL TANK (DST) SYSTEM TRANSFER ENCASUREMENT LINES NOT PRESSURE TESTED FOR INCLUSION IN THE DST INTEGRITY ASSESSMENT REPORT, HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER MILESTONE M-48-14

As requested by the State of Washington Department of Ecology (Ecology) staff, representatives of the U.S. Department of Energy, Office of River Protection (ORP) and CH2M HILL Hanford Group, Inc. (CH2M HILL) met on September 22, 2005, to discuss the status of the DST System Integrity Assessment Report, M-48-14.

Ecology was informed that 22 unused transfer line (slurry and supernate) encasements in the 241-AN, AW, and AP tank farms would not be pressure tested, and that these lines would not be included in the DST Integrity Assessment Report as part of the Resource Conservation and Recovery Act of 1976 (RCRA) operating permit. Instead, ORP proposes the following:

- Identify the attached transfer lines in a deferred list as DST ancillary transfer lines not Independent Qualified Registered Professional Engineer (IQRPE) certified for use, but placed in a standby mode. The intent is to pressure test the transfer lines sometime in 2010 prior to scheduled project mission needs starting in 2011.
- Upon completion of pressure testing of the transfer line encasements, submit to Ecology the list of these tested DST transfer lines and request incorporation into the RCRA operating permit.

Ecology was also informed that 10 of the 22 transfer lines will be listed in the latest revision of HNF-3484, *Double-Shell Tank Emergency Pumping Guide*. In order to address Washington Administrative Code 173-303-640 (4) (iv) requirements, HNF-3484 will address the non IQRPE certified for use lines by the following:

The encasements to these supernate transfer lines will be pressure tested prior to use in the event of an emergency situation. The emergency pumping guide document will be revised incorporating encasement pressure tests prior to use of the DST transfer lines.

Michael A. Wilson
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ORP requests that Ecology incorporate these 22 transfer lines encasements as deferred, and their encasements will be pressure tested at a later time as stated above.

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

Attachment:

cc w/ attach:

B. K. Jentzen, Ecology

J. J. Lyon, Ecology

TPA Administrative File

cc w/o attach:

G. P. Duncan, CH2M HILL

CH2M Correspondence Control

ATTACHMENT

Double-Shell Tank System Transfer Lines Without IQRPE Encasement Integrity Assessment Certification Requires Encasement Pressure Test Prior To Use				
Transfer Line	Description	Location	Projected Mission Date	Inclusion in HNF-3484, Double-Shell Tank Emergency Pumping Guide
SL-162	Slurry transfer line	241-AN-02A	February 2013	
SN-262	Supernatant transfer line	241-AN-02A	February 2013	Pressure test required prior to use
SL-163	Slurry transfer line	241-AN-03A	June 2014	
SN-263	Supernatant transfer line	241-AN-03A	June 2014	Pressure test required prior to use
SL-164	Slurry transfer line	241-AN-04A	February 2011	
SN-264	Supernatant transfer line	241-AN-04A	February 2011	Pressure test required prior to use
SL-165	Slurry transfer line	241-AN-05A	December 2012	
SN-265	Supernatant transfer line	241-AN-05A	December 2012	Pressure test required prior to use
SL-167	Slurry transfer line	241-AN-07A	November 2013	
SN-267	Supernatant transfer line	241-AN-07A	November 2013	Pressure test required prior to use
SL-168	Slurry transfer line	241-AN-A	None	
SL-516	Slurry transfer line	241-AP-106	None	
SN-616	Supernatant transfer line	241-AP-106	None	Pressure test required prior to use
SN-261	Supernatant transfer line	241-AW-01A	August 2014	Pressure test required prior to use
SL-162	Slurry transfer line	241-AW-02A	November 2012	
SL-163	Slurry transfer line	241-AW-03A	August 2011	
SN-263	Supernatant transfer line	241-AW-03A	August 2011	Pressure test required prior to use
SL-165	Slurry transfer line	241-AW-05A	November 2012	
SN-265	Supernatant transfer line	241-AW-05A	November 2012	Pressure test required prior to use
SL-164	Slurry transfer line	241-AW-04A	March 2016	
SN-264	Supernatant transfer line	241-AW-04A	March 2016	Pressure test required prior to use
SN-274	Supernatant transfer line	241-AW-04A	March 2016	