



Department of Energy
 Richland Operations Office
 P.O. Box 550
 Richland, Washington 99352

00-ORL-013

JAN 03 2000

Mr. Michael A. Wilson, Program Manager
 Nuclear Waste Program
 State of Washington
 Department of Ecology
 P.O. Box 47600
 Olympia, Washington 98504

RECEIVED
 JAN 12 2000

EDMC

Dear Mr. Wilson:

**STATUS OF DOUBLE-SHELL TANK (DST) SYSTEM INTEGRITY ASSESSMENT
 PLANNING FOR FISCAL YEAR (FY) 2000 AND BEYOND**

The purpose of this letter is to provide an update to the State of Washington Department of Ecology (Ecology) regarding DST Integrity Assessment program. This information is provided to assist you as you complete the inspection of DSTs with respect to completion of Hanford Federal Facility Agreement and Consent Order Milestone M-32. Continued DST system integrity assessment work scope is planned and scheduled in FY 2000 and later. This work is critical to the success of the U.S. Department of Energy, Office of River Protection (ORP), River Protection Project (RPP) mission because it satisfies Washington Administrative Code 173-303-640 regulatory requirements and it provides input to programmatic decisions on managing risks associated with aging facilities.

DST system integrity assessment work planned in FY 2000 includes the following:

- Integrity assessment field examinations, leak tests, and reports for three double-contained receiver tanks (244-BX, 244-TX, and 244-A), eight catch tanks (241-ER-311, 244-EW-151, 241-S-304, 241-U-301B, 241-TX-302C, 241-AX-152, 241-AZ-151, and 241-UX-302A), 204-AR waste unloading facility, and the A-350 lift station.
- Continuing ultrasonic examination of DSTs to complement work completed through FY 1999, and to address new information gathered during FY 1999. Detailed planning for this work scope is in process, and will be reflected in an Engineering Task Plan that will guide conduct of the work.
- Installation of a corrosion probe for monitoring electrochemical noise in 241-AN-105, consistent with recommendations of the Inspection Review Panel that evaluated evidence of localized wall thinning in 241-AN-105, and the integrity assessment report for the 241-AN tank farm.
- Preparation of a tank system integrity program plan providing the strategy, rationale, approach, and overall schedule for gathering tank system integrity information and conducting analyses needed for input to regulatory, safety, and programmatic decisions.

Mr. Michael A. Wilson
00-ORL-013

-2-

JAN 03 2000

- Development of a procedure addressing preparation, review, and document control for integrity assessment reports and supporting information.
- Maintaining cathodic protection systems to protect underground waste transfer, ventilation, drain and ancillary piping serving tank farms in the 200 Areas, and conducting annual reviews.

DST system integrity assessment work planned beyond FY 2000, as incorporated in the FY 2000 Multi-Year Work Plan, includes the following:

- Carrying out a continuous ultrasonic inspection program for DSTs throughout the RPP mission life.
- Conducting periodic tank system integrity reassessments.
- Installing and monitoring corrosion probes in selected DSTs to enhance tank waste chemistry control.
- Continuing maintenance and annual surveys of cathodic protection systems.
- Amending the RPP Authorization Basis, as directed by ORP, such that the existence of a formalized Tank Structural Integrity Program is reflected in the Technical Safety Requirements (HNF-SD-WM-TSR-006) Administrative Controls and summary descriptive text of the Facility Safety Analysis Report.

We believe that this information demonstrates our commitment to continue developing and implementing an effective, long-term DST integrity assessment program.

If you have any questions regarding this matter, please contact me on (509) 376-6888 or Ami Sidpara, Director, Tank Farm Oversight Division on (509) 376-0933.

Sincerely,


for George H. Sanders, Program Manager
Office of Regulatory Liaison

ORL:HMR

cc: See page 3

Mr. Michael A. Wilson
00-ORL-013

-3-

JAN 03 2000

cc: J. R. Wilkinson, CTUIR
L. J. Cusack, Ecology
D. Heggen, Ecology
R. Skinnarland, Ecology
R. F. Stanley, Ecology
A. Valero, Ecology
D. R. Sherwood, EPA
J. S. Hertzell, FDH
M. B. Reeves, HAB
W. T. Dixon, LMHC
B. G. Erlandson, LMHC
E. A. Fredenburg, LMHC
K. J. Kjarmo, LMHC
P. C. Miller, LMHC
P. Sobotta, NPT
M. L. Blazek, OOE
A. R. Sherwood, WMH
R. Jim, YN
TPA Administrative Record, FDH