



U.S. Department of Energy
Office of River Protection

0060482

P.O. Box 450
Richland, Washington 99352

03-TOD-073

SEP 18 2003

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. 4th Avenue
Kennewick, Washington 99336

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EDMC

Dear Mr. Wilson:

NOTIFICATION OF COMPLETION OF STABILIZATION AND ISOLATION OF CATCH TANK 241-A-417 TO MEET HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (HFFACO) MILESTONE M-48-07

Reference: ORP letter from J. E. Rasmussen to M. A. Wilson, Ecology, "Pumping and Isolation of Catch Tank 241-A-417," 02-EMD-163, dated October 02, 2002.

On July 31, 2003, the U.S. Department of Energy, Office of River Protection (ORP) completed the stabilization and isolation of Catch Tank 241-A-417. Catch Tank 241-A-417 has been removed from service and declared inactive meeting the requirements of HFFACO Milestone M-48-07, "Submit to Ecology a Disposition Plan for All DST Components Not in Use Post 2005."

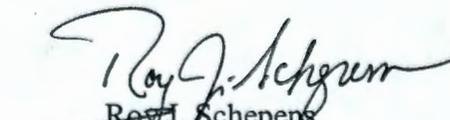
A description of:

- HFFACO Milestone M-48-07 is included as Attachment 1, and
- Catch Tank 241-A-417 and the activities associated with stabilization and isolation is included as Attachment 2.

In the Referenced letter ORP had estimated that the stabilization and isolation of Catch Tank 241-A-417 would be completed by August 14, 2003, on a worst-case scenario.

If you have any questions, please contact me, or your staff may contact Michael J. Royack, Tank Farms Operations Division, (509) 376-4420.

Sincerely,


Roy J. Schepens
Manager

TOD:MJR

Attachments: (2)

cc: See page 2

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Mr. Michael A. Wilson
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SEP 18 2003

cc w/attachs:

S. D. Fowler, CH2M HILL
M. N. Jarayssi, CH2M HILL
J. Cox, CTUIR
J. J. Lyon, Ecology
N. Ceto, EPA
J. S. Hertzal, FH
R. D. Morrison, FH
T. Martin, HAB
P. Sobotta, NPT
K. Niles, Oregon Energy
E. M. Mattlin, RL
R. Jim, YN
TPA Administrative Record

Hanford Federal Facility Agreement and Consent Order (HFFACO) Milestone M-48-07

HFFACO Milestone M-48-07, "*Submit to Ecology a Disposition Plan for All DST Components Not in Use Post 2005*," requires that stabilization, isolation, and monitoring of Double-Shell Tank (DST) System components occur within twelve months of removal from service and that the final disposition of the component be provided to the State of Washington Department of Ecology (Ecology). This milestone was developed from Administrative Orders 00NWPKW-1250 and 00NWPKW-1251 corrective actions. Per Corrective Action 1.A of the administrative orders, the U.S. Department of Energy, Office of River Protection (ORP) and CH2M HILL Hanford Group, Inc. (CH2M HILL) were required to submit a description of the DST System. Catch Tank 241-A-417 was included in the DST description as a DST component. The preceding terms are defined, per the milestone, as:

- **Stabilization:** Liquids and waste removed within twelve months, or sooner, from the date of removal from service.
- **Isolation:** Administrative and/or engineering controls in place to prevent use within twelve months, or sooner, from the date of removal from service.
- **Monitoring:** Equipment and frequency to be employed to ensure each component remains free of liquids and waste upon removal from service, to be in place within twelve months, or sooner, from the date of removal of service.

Final disposition: The component will be included within a Resource Conservation and Recovery Act of 1976 (RCRA) closure plan.

DESCRIPTION OF CATCH TANK 241-A-417 AND THE ACTIVITIES ASSOCIATED WITH STABILIZATION AND ISOLATION

Catch Tank 241-A-417 has a capacity of 44,200 gallons and was pumped on March 4, 2003, to a level of 4 inches (1,176 gallons) at which point the transfer pump cavitated and was shut down. Consistent with Hanford Federal Facility Agreement and Consent Order (HFFACO) Milestone M-48-07, Catch Tank 241-A-417 has been isolated using both administrative and engineering controls. Isolation controls now in place are:

- Valve Pit 241-AX-501, 241-AX-B, and 241-A-B transfer routes were modified to isolate routes to the 241-A-417 catch tank. The isolation was accomplished by disconnecting jumpers and the installation of process blanks and isolation blanks.
- Isolated piping systems within caissons 401, 562, and F-505.
- Applied weather seal foam to the 241-A-417 pump pit, 501AX valve pit, caisson 401, 562, F-505, and the ion exchange column drain. Weather seal applied to prevent intrusion into Catch Tank 241-A-417.
- Cancelled transfer procedures for Catch Tank 241-A-417.
- Isolated electrical systems associated with Catch Tank 241-A-417.
- Catch Tank 241-A-417 will be monitored for intrusion on an annual basis using the weight factor indicator presently installed in the tank.

Catch Tank 241-A-417 is being included in the single-shell tank system closure plan, RPP-13744, per HFFACO Milestone M-45-06-T05 and has been declared inactive.