

Fluor Hanford
P.O. Box 1000
Richland, Washington 99352

1248728
m-091-45D
[00659974]

FLUOR[®]

September 13, 2007

FH-0702133
CONTRACT NO. DE-AC06-96RL13200

Mr. David A. Brockman, Manager
U.S. Department of Energy
Richland Operations Office
Post Office Box 550
Richland, Washington 99352

Dear Mr. Brockman:

COMPLETION OF CONTRACT DELIVERABLE, ANNUAL PROGRESS REPORT ON REMOTE-HANDLED MIXED WASTE AND CONTACT-HANDLED MIXED WASTE IN BOXES/LARGE CONTAINERS REQUIRED BY TRI-PARTY AGREEMENT MILESTONE M-91-45

In accordance with PHMC Section C.3.4.3, FH has completed the annual Tri-Party Agreement M-91-45 interim milestone requirement and prepared a report describing completed and scheduled work relating to remote-handled mixed waste and contact-handled mixed waste in large containers. The report, attached, details work completed in fiscal year (FY) 2007 and outlines planned work scope for these waste streams in FY 2008, and it completes annual contract deliverable CD0557.

Per the milestone, the report must be submitted to the State of Washington, Department of Ecology no later than September 30, 2007.

Technical questions should be directed to D. E. McKenney at 376-1589. Contractual questions should be directed to L. J. Horton at 376-6986.

Very truly yours,

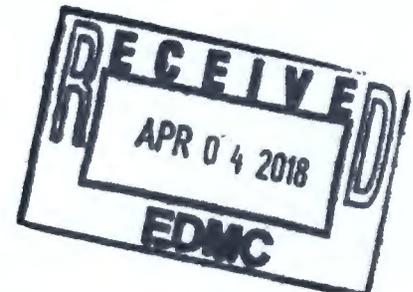
Cornelius M. Murphy
President and
Chief Executive Officer

Attachment

RL – M. S. French
J. A. Frey
M. S. McCormick

L. D. Romine
D. S. Shoop
S. A. Sieracki

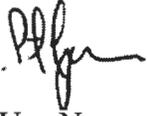
G. L. Sinton
S. R. Weil
B. D. Williamson



Link to: 0073953

4

Electronically Approved by:



UserName: Peter Knollmeyer (h0102952)

Title: Executive Vice President and Chief Operating Officer

Date: Thursday, 13 September 2007, 09:06 PM Pacific Daylight Time

Meaning: Authorized to Sign for Cornelius M. Murphy

ANNUAL PROGRESS REPORT ON REMOTE-HANDLED (RH) MIXED WASTE AND CONTACT-HANDLED (CH) MIXED WASTE IN BOXES/LARGE CONTAINERS

As required by Tri-Party Agreement Milestone M-91-45, this report has been prepared to describe work completed during Fiscal Year (FY) 2007 on remote-handled (RH) mixed waste and contact-handled (CH) mixed waste in large containers and to identify work scheduled for these waste streams in FY 2008.

FY 2007 Accomplishments

- No remote-handled (RH) and large-container Land Disposal Restriction (LDR) Report Treatability Group Mixed Low-level Waste (MLLW)-07 waste was treated or disposed in FY 2007, due to the emphasis on treating MLLW meeting the requirements of Tri-Party Agreement Milestones M-91-12 and M-91-42 (i.e., LDR Treatability Groups MLLW-02, 03, 04, 05, 06, 08, 09 and 10). A cumulative total of 194 m³ of MLLW-07 waste has been treated and disposed.
- Revisions to the PermaFix Northwest (PFNW - formerly Pacific EcoSolutions [PEcoS]) contract have been completed which has expanded the capability to treat larger MLLW packages.
- The Environmental Restoration Disposal Facility (ERDF) continues to be used in FY 2007 to dispose of other MLLW Treatment Groups (i.e., MLLW-04A/B). The ERDF Record of Decision (ROD) Amendment was approved, which allows disposal of multiple LDR treatability groups, including MLLW-07 waste.
- Critical Decision zero (CD-0) documentation was submitted to DOE-HQ for the Solid Waste Processing Center (SWPC) capital construction project. This project will support RH and large container processing (M-91-43 and M-91-44) that can not be provided by in-trench treatment, or existing commercial or Hanford facilities. Approval of CD-0 will allow initiation of conceptual design. A Fluor Hanford, Inc. Project Manager was hired and a Project Team established.
- Several alternative studies were initiated to evaluate various processing options for RH and large-package CH wastes. Alternatives being evaluated include the construction of a new Solid Waste Processing Center (SWPC) facility instead of the current T Plant baseline, upgrades to establish earlier on-site processing capabilities and capacities for selected waste packages (generally CH Transuranic (TRU) waste packages less than 10 m³), construction of a RH TRU loading station for earlier waste shipment to the Waste Isolation Pilot Plant (WIPP) in New Mexico, and expanding the use of commercial processing for MLLW-07 waste packages.

- Discussions were held with the State of Washington Department of Ecology (Ecology) for implementation of in-trench treatment and proposed revised mixed waste trench Part A language.
- Started retrieval of RH waste from the Low-Level Burial Grounds. Test Reactor Isotope General Atomics (TRIGA) spent fuel previously managed as RH TRU was removed from burial ground 218-W-4C and transferred to the 200 Area Interim Storage Area.
- The Tri-Party Agreement Milestone M-91 Project Management Plan (PMP) was updated twice in FY 2007, once in December 2006 and again in August 2007.

Planned FY 2008 Activities

- Re-initiate treatment at PFNW of some of the large MLLW packages.
- Continue disposal of MLLW in the Mixed Waste Disposal Trenches (MWDT) trenches and at ERDF.
- Formally submit revised Low-level Burial Ground Part A to expand capability in the MWDTs to include in-trench treatment.
- Complete alternative evaluations for waste processing by March 2008 and revise the baseline for those alternatives selected. Initiate conceptual design for the SWPC project.
- Revise the M-91 PMP in June 2008 to reflect results from the alternatives evaluations, reflect cleanup progress, and to incorporate the updated President's budget.
- Continue retrieval of some RH waste as it is encountered during CH retrieval.

Publicly Available Reports

1. Letter 06-AMCP-0314 Matthew S. McCormick to Jane Hedges, "Completion of Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) interim milestone M-91-45, submit to Ecology a report describing completed and scheduled work relating to remote-handled (RH) waste and boxes and large containers of RH and contact-handled (CH) waste", September 29, 2006.
2. Amended Record of Decision for the ERDF Environmental Restoration & Disposal Facility, U.S. Department of Energy and Environmental Protection Agency Region X, May 2007.
3. HNF-19169 Rev. 3, "M-91 TRU Mixed/Mixed Low-Level Waste Project Management Plan", August 2007.