

United States Government

Department of Energy  
Office of River Protection**memorandum**

DATE: JUL 30 2007  
REPLY TO  
ATTN OF: OPA:LAC 07-OPA-032

SUBJECT: FISCAL YEAR (FY) 2009 ENVIRONMENTAL MANAGEMENT BUDGET  
SUBMITTAL FOR THE U.S. DEPARTMENT OF ENERGY (DOE), OFFICE OF  
RIVER PROTECTION (ORP)

TO: James A. Rispoli, Assistant Secretary  
for Environmental Management, EM-1, HQ

ORP is requesting \$1,081 million in funding for FY 2009 consistent with our validated and Secretarial Acquisition Executive approved baselines. This budget request is not consistent with the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) upcoming milestone dates due to: 1) delays in the construction, commissioning, and operation of the Waste Treatment and Immobilization Plant (WTP) project; 2) Tank Farm scope deferrals; and 3) unforeseen technical issues with Single-Shell Tank (SST) retrievals. Negotiations between DOE, the Environmental Protection Agency (EPA), and the Washington State Department of Ecology (Ecology) regarding these matters are ongoing.

ORP's planning represents our best efforts to align these technical challenges with our commitment to make significant cleanup progress at the Hanford Site. Our top priorities include:

- Safely storing 53 million gallons of tank waste;
- Resuming full WTP Construction;
- Managing the Tank Farms and WTP as an integrated system;
- Continuing tank waste retrieval;
- Continuing soil characterization;
- Pursuing supplemental low-activity waste treatment capabilities;
- Completing the Tank Closure and Waste Management Environmental Impact Statement (EIS); and
- Continuing open and honest dialog with stakeholders and the public.

Attached is a summary of the planned activities for FY 2009, including those activities that would be accomplished with over target funding. This information is consistent with our briefings to your staff, the Hanford Advisory Board (HAB), regulators, and the public.

In accordance with Tri-Party Agreement, Paragraph 148, and DOE's commitment to seek, collect, and consider input in the development of the budget request, we provided budget briefings and information to Ecology, EPA, and the HAB at the outset and throughout the budget development process. In addition, the DOE Richland Operations Office (RL) and ORP jointly held five public meetings in both Oregon and Washington States to discuss the proposed FY 2009 budget request and cleanup priorities. Regulator comments, HAB advice, and comments received to date from the public were transmitted to you by RL on July 13, 2007, via letter 07-FMD-0093. All are available electronically on the Hanford website at [www.hanford.gov](http://www.hanford.gov).

The consistent theme from ongoing discussions with the regulatory agencies, HAB, and the feedback from the public meetings is that DOE should continue focusing the necessary resources on the design and construction of the WTP and full funding at the target level is requested for FY 2009. Although comments and feedback were mixed for the Demonstration Bulk Vitrification System (DBVS), you are aware DOE must continue to pursue a viable supplemental treatment technology to treat the volume of low-activity waste not treated by the WTP, and FY 2009 over-target funding was requested for DBVS. ORP has requested target funding for 1 SST retrieval in FY 2009 for a total of 11 SSTs retrieved. Feedback received in the budget process indicates a high level of interest from the public, regulators, HAB, and others in accelerating the pace of SST retrievals at Hanford.

If you have any questions, please contact me, or your staff may contact Lisa A. Copeland, Director of Project Administration, (509) 376-8515.



Shirley J. Olinger, Acting Manager  
Office of River Protection

Attachment

cc w/attach:

J. A. Hedges, Ecology  
L. C. Treichel, EM-3.2  
M. W. Frei, EM-30  
C. F. Rheume, EM-31  
N. Ceto, EPA

U.S. Department of Energy, Office of River Protection (ORP)  
Planned Activities for Fiscal Year (FY) 2009 Request

*Tank Farms PBS ORP-0014*

Planned Accomplishments at Target Level Funding:

- Complete 3 Double-Shell Tank (DST) core samples and analysis to support tank integrity
- Replace evaporator heating, ventilation, and air conditioning exhaust side to protect against confinement loss
- Complete 1 additional C-Farm tank retrieval (for a total of 9 of 16 in C-Farm)
- Retrieve waste from 11 Single-Shell Tanks through FY 2009
- Perform 3 DST and 2 Cross-site Transfers
- Complete 2 Evaporator campaigns for space management
- Complete AP Tank Farm Level Rise for DST space management
- Conduct pre-treatment developmental testing to support future supplemental treatment activities (Ion-Exchange)

Planned Accomplishments at Over-Target Level Funding:

- Resume Demonstration Bulk Vitrification System (DBVS) construction and long-lead procurements
- Initiate S-109 Retrieval construction to support DBVS
- Replace DST Sampling Truck (1980s vintage)
- Initiate Supplemental Pretreatment Conceptual Design
- Complete upgrades to AZ-102 in support of C-Farm retrievals tank blending
- Initiate Tank C-200 Closure Demonstration

*WTP PBS ORP-0060*

Planned Accomplishments at Target Level Funding:

**Low-Activity Waste Facility**

- Design complete, construction will be approximately 72% complete
- Install piping, cable, cable trays, conduit, instrumentation and control wiring, and ventilation ducting
- Install melter pour cave cooling panels, glass former mixers, and catalytic oxidizers
- Start assembling the two melters

**Analytical Laboratory Facility**

- Design complete, construction will be approximately 75% complete
- Install ventilation duct, process and handling system, cable, cable tray, and piping
- Install major electrical equipment
- Complete fabrication of the Autosampling System and deliver to site

**Balance of Facilities**

- Design complete, construction of the Anhydrous Ammonia Tank, Cooling Tower, Fuel Oil Pump House, and Steam Plant
- Install the commodity racks, piping, and electrical systems
- Erect the Glass Former Storage Facility structural steel

**High-Level Waste Facility**

- Design approximately 90% complete and construction approximately 39% complete
- Complete design for the main facility concrete and structural steel
- Complete placements of slabs and walls of the 3<sup>rd</sup> level
- Install the Melter shield doors and rails

**Pretreatment Facility**

- Design approximately 83% complete and construction approximately 43% complete
- Issue design for the top level (El. 98) concrete slabs and Control Building
- Construct concrete walls above the 3<sup>rd</sup> level
- Install Hot Cell cranes and vertical/horizontal shield doors
- Install remaining Elevation 0 Vessels

Planned Accomplishments at Over-Target Level Funding: None, project funded at target.