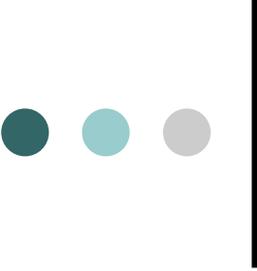


# ORP HLW Progress/ Activities

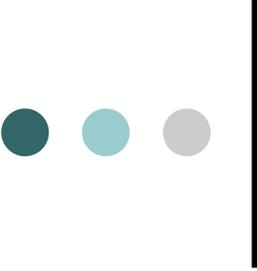
ORP Waste Treatment Plant (WTP)  
Status

W. F. Hamel, DOE-ORP  
July 11, 2006



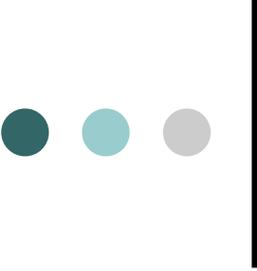
# ORP HLW Progress/Activities

- WTP Project (Bechtel National, Inc.) (BNI)  
Major Facilities – Design/Construction:
  - Pre-Treatment
  - HLW Vitrification (2 melters) ( 6 MTG/Day total)
  - LAW Vitrification (2 melters) (30 MTG/Day total)
  - Analytical Services Laboratory
  - Support Services (water, air, electrical, etc.)



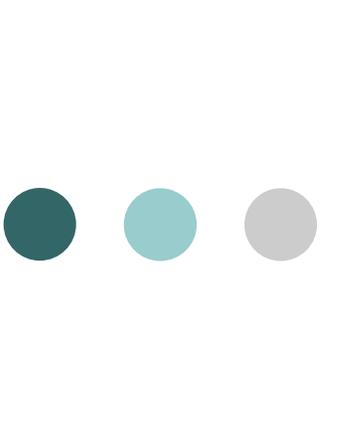
# ORP HLW Progress/Activities

- WTP Project Baseline:
  - Baseline (schedule and cost) currently being revised.
  - Latest (May 2006), BNI Estimate at Completion (EAC) lists February 2019 as End of Hot Commissioning.
  - Army Corp of Engineers – Currently working to validate BNI May 2006 EAC.



# ORP HLW Progress/Activities

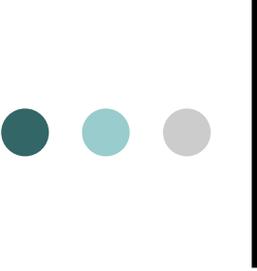
- WTP Project – Current Status:
  - Construction
    - Suspended for pre-treatment and HLW vitrification facilities pending design resolution of seismic issues.
    - Continuing for LAW vitrification, analytical laboratory and WTP support services.
  - Design
    - Proceeding for all WTP Project facilities and services.
  - WTP Site Investigation – Supporting Seismic Design
    - New boreholes being placed on WTP site to obtain site specific geophysical data.



# ORP HLW Progress/ Activities

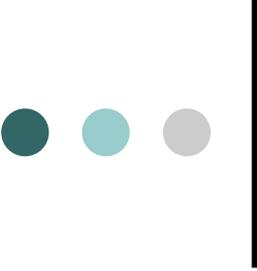
Immobilized High Level Waste (IHLW)  
Interim Storage and Shipping Status

P. E. LaMont, DOE-ORP  
July 11, 2006



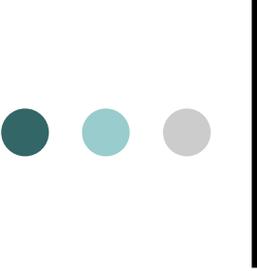
# ORP HLW Progress/Activities

- Interim Storage Background:
  - The initial 880 immobilized high level waste (IHLW) canisters are planned to be stored in Vaults 2 and 3 of the Canister Storage Building (CSB).
  - Design of the CSB retrofit was completed June 2004
  - Start of CSB construction and hot operations will be delayed to support new Waste Treatment Plant (WTP) startup date.



# ORP HLW Progress/Activities

- Hanford Shipping Facility:
  - The Hanford Shipping Facility (HSF) will provide loading of IHLW and spent nuclear fuel (SNF) canisters into shipping casks from RW for transport to the Repository.
  - Critical Decision 0 was received in 2005.
  - Start of Conceptual Design will be moved out consistent with WTP schedule.
  - Operation of HSF will be delayed to support new WTP and Repository startup dates.



# ORP HLW Progress/Activities

- Contingency Plans:

- A decision whether to add additional IHLW interim storage (beyond the 880 at the CSB) to the baseline will be required in FY 2010.
- Additional IHLW interim storage would be necessary to avoid shutdown of the WTP if transportation of the IHLW canisters to the Repository is delayed and the CSB is full.