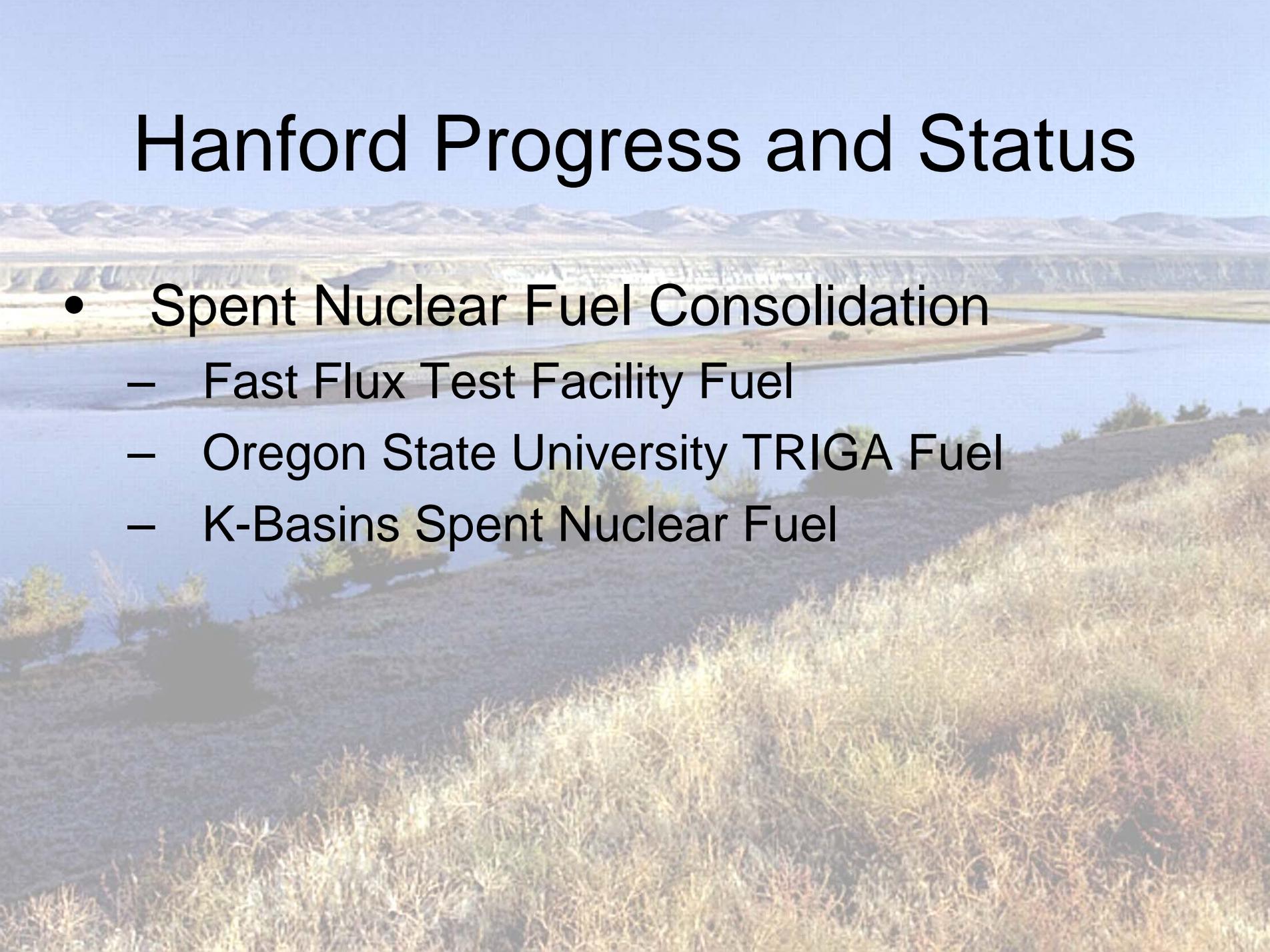




# Hanford Spent Nuclear Fuel Status

National SNF Meeting  
January 23, 2007

# Hanford Progress and Status



- Spent Nuclear Fuel Consolidation
  - Fast Flux Test Facility Fuel
  - Oregon State University TRIGA Fuel
  - K-Basins Spent Nuclear Fuel

# Fast Flux Test Facility Fuel

- Off-load of non-sodium bonded fuel at FFTF into Interim Storage Casks (ISCs) complete. Loaded ISCs stored at 200 Area Interim Storage Area and Plutonium Finishing Plant (PFP).
- Transfer of final ISC containing non-sodium bonded fuel from FFTF to 200 Area ISA completed in April, 2006.



*Above: Interim Storage Cask receipt at 200 Area Interim Storage Area*

# Fast Flux Test Facility Fuel

- All remaining fuel (sodium bonded) removed from sodium storage
- All sodium bonded pins consolidated at FFTF
- Sodium bonded fuel (unirradiated and spent) planned to be shipped to INL for storage in FY 2007 and 2008, contingent on approval of T-3 Shipping Cask SARP Addendum by August 2007

# OSU TRIGA SNF

- TRIGA fuel irradiated at Oregon State University
- Previously stored in 13 Shielded Drums at Low Level Burial Grounds
- Completed consolidation at 200 Area Interim Storage Area in December, 2006

# K-Basin SNF

- 386 Multi-Canister Overpacks (MCOs) containing K Basins fuel interim stored at the Canister Storage Building
- Up to 3 additional MCOs may be required for removal of remaining fuel from K-Basins after completion of sludge removal
- Loading, drying, and shipment of final MCOs from K Basins planned in FY 2009; evaluating completion in FY 2008