



Idaho National Laboratory

# ***Integrated Acceptance Schedule Update***

***NSNFP Strategy Meeting***

***Bill Hurt***

***January 2007***

# IAS Status

- **DOE SNF and HLW information has been provided to RW for use in the Total System Model (TSM)**
- **RW developed a draft “Plan for TSM Analysis of Proposed EM Shipment Schedule” which was finalized in November**
- **The input being used by RW has been sent to the sites for final confirmation**
  - SNF numbers didn’t change
  - HLW constrained to 9337 canisters

# Plan for TSM Analysis of Proposed EM Shipment Schedule

- **A three-phase modeling effort is being implemented:**
  - Phase 1: Establish Base Case Impacts
  - Phase 2: Assess Impacts of Key Variables on Base Case
  - Phase 3: Assess Impacts of EM Waste Stream Variations
- **It will take 1+ year to complete**

# Phase 1 – Establish Base Case Impacts

- **The purpose of Phase 1 is to:**
  - Provide an initial set of baseline results to understand the impacts of the RW TAD-based design on EM shipments
  - Confirm TSM ability to address the proposed EM shipment schedule
  - Guide subsequent phases
- **Phase 1 involves modifying TSM, drafting results, meeting with EM, and finalizing results**
- **Phase 1 will take about 3 months**

# **Phase 2 – Assess Impacts of Key Variables on Base Case**

- **Phase 2 will develop a course of action based on a thorough review of the Phase 1 results**
- **Phase 2 will develop the scenarios to be analyzed in Phase 3**
- **Phase 2 is expected to take 5 months**

# Phase 3 – Assess Impacts of EM Waste Stream Variations

- **Phase 3 will step through the key variables in order to understand EM origin site impacts**
- **Phase 3 will involve possible variations in the 2006 proposed EM shipment schedule, which may include:**
  - Different waste mixes (by length or diameter)
  - Aluminum fuel processing options
  - Calcine packaging options
  - Prioritization of Sites
- **Phase 3 is expected to take 150 days**

# Summary

- **TSM modeling of DOE wastes is proceeding**
- **EM will have an active role in the process and will influence the analyses performed**
- **Integrating the DOE waste shipments into the TSM model and evaluating the EM issues will be completed a little over a year from now**