

Status of Integrated Acceptance Schedule Development

NSNFP Strategy Meeting
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Bill Hurt
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EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

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 is under EM review
- The input being used by RW has been sent to the sites for 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 planned:
 - Phase 1: Establish Base Case
 - 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

- 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 planned
- 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 approximately one year after work is authorized

