Building 235-F Status

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Facilities Disposition and Site Remediation Committee
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Purpose

• Provide information regarding ongoing risk reduction activities in the 235-F Facility

• Update Recommendation 293 in accordance with 2013 Work Plan
Recommendation 293 supports Defense Nuclear Facility Safety Board 2012-1 Response (summary of recommendations)

- Immobilize and/or remove the residual Pu-238
- Remove all transient and fixed combustibles that are not directly necessary for activities
- Ensure all necessary electrical equipment is in a safe configuration
- Evaluate operability of early detection and alarm systems
- Ensure an integrated emergency response plan is in place
- Ensure periodic coordinated drills in response to a simulated event at 235-F are conducted
• One year behind us of implementing actions to respond to DNFSB Recommendation 2012-1
• Up to the point at which budget sequestration began in FY 2013, 9 of 10 actions due had been completed. Remaining item will be completed by December 31, 2013
• Project Plan has been revised to reflect the effects of 2013 sequestration and FY 2014 Continuing Resolution
• FY 2014 project funding is currently at $5M. This figure can change as the year progresses, depending on the direction taken by Congress
Key 2013 Accomplishments

• Development and implementation of a transient combustible control program
  • Development of a specific plan for fixed combustible removal, and
  • Development of a specific plan for de-energization of unnecessary electrical circuits in the building
• Completion of technical work to upgrade the existing Fire Detection and Alarm System (FDAS)
• Planning and conduct of Emergency Preparedness drills in F Area and adjacent construction sites

Emergency Preparedness Drill
Key 2013 Accomplishments

- Formation of a core project management team (including Project Manager with high-impact project experience at SRS and Rocky Flats)

- Completion of a detailed Project Deactivation Plan covering the full life-cycle of the project

- Fabrication and installation of a cell mock up for process and procedure development and validation, process training, operator qualification, work planning, and similar tasks

235-F Cell Mock Up
Key Plans for FY 2014

• **Crew Retention and Training**
  • Funding in 2014 keeps crew members with extensive hands-on experience working together and prepares them to move into cleanup phase of the project

• **Use of the mock-up facility**
  • Used for process and procedure development, training development, training conduct and evaluation, experiments with tools, and field-testing prototypes
  • Drill training for off-normal events
Key Plans for FY 2014

- **Technical Document Preparation and Planning**
  - Technical documents will be developed in FY 2014 to support activities such as development of the cell-by-cell decontamination and equipment removal approach, completing the design for the breathing air distribution system, and preparing electrical and mechanical isolation for cells 6-9

- **Deactivation Bases for Interim Operations Implementation (BIO) progress**
  - Implement a Safety Basis Implementation Plan to implement the portions of the Deactivation Safety Basis that can be implemented without allowing the project to proceed into the cell clean-up phase
  - Fire Detection Alarm and Detection System installation, testing, and acceptance

Plutonium Fuel Form (PuFF) Cell
Summary

Located on the Savannah River, in Aiken and Barnwell counties in South Carolina.

Chosen for its location, chemistry, land quality, soil characterization, and construction costs.

- Up to the point at which budget sequestration began in FY 2013, 9 of 10 actions due had been completed. Remaining item will be completed by December 31, 2013.
- Project Plan has been revised to reflect the effects of 2013 sequestration and FY 2014 Continuing Resolution.
- Plans for FY 14 include retention and training of crew, upgrade fire alarm and detection system, and begin safety basis implementation.
- FY 2014 project funding is currently at $5M. This figure can change as the year progresses, depending on the direction taken by Congress.

Plutonium Fuel Form (PuFF) Controls
Located on the Savannah River, in Aiken and Barnwell counties in South Carolina.

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Plutonium Fuel Form (PuFF) Cell Controls

Questions