

**Savannah River Site
Citizens Advisory Board
March 25, 2008**

**P Reactor End-State
Public Workshop Update**



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Acronyms

CAB	Citizens Advisory Board
DNFSB	Defense Nuclear Facilities Safety Board
DOE-SR	Department of Energy – Savannah River Operations Office
EPA	Environmental Protection Agency – Region 4
SCDHEC	South Carolina Department of Health and Environmental Control
SRS	Savannah River Site



Purpose

- The purpose of this briefing is to provide an update to the Citizens Advisory Board on the topics, comments, and outcomes from the two public P Reactor end-state workshops that were conducted at the Aiken Technical College Amphitheatre on October 16th, 2007 and February 28th, 2008.



Background

- Why is DOE conducting the workshops?
 - In response to CAB recommendation #248 for DOE–SR to host with participation of SCDHEC and EPA several workshops on the P Reactor end-state process and decisions.
 - Provide information and solicit public input on the P Reactor end-state to improve the outcome.



Background

- What is the P Reactor End-State Proposal?
 - DOE-SR is proposing an in situ decommissioning of P Reactor which means that a significant portion of the Reactor building will remain in place.
 - Contrast with a classic decommissioning that removes the entire structure and only leaves a slab or foundation.



October 16th, 2007 Workshop

- Topics included:
 - Area Completion Process
 - SRS Reactor History and Fundamentals
 - P Reactor Decommissioning Project Description and in situ alternatives
 - Tier 1 Contaminant Migration Screening Model
 - Regulatory Perspective



October 16th, 2007 Workshop

- Public questions/comments:
 - Will the end-state include institutional controls and restrictions?
 - Tier 1 Contaminant Migration Screening model is too conservative and simplistic.
 - Why is 500 years assumed for concrete integrity and longevity?
 - Where does cost considerations enter into the analysis?
 - Total of 15 questions/comments.



February 28th, 2008 Workshop

- Topics included:
 - Area Completion Approach
 - SRS Reactor History and Fundamentals
 - P Reactor Building Assessment
 - Remedial Alternatives
 - Regulatory Perspective



February 28th, 2008 Workshop

- Public questions/comments:
 - Can the contamination rates of decay be identified?
 - Description of risk reduction for the various alternatives is confusing.
 - Does the DNFSB have any input to the in-situ determination?
 - Is there a plan to study the effects on animals that may inhabit the Reactor structure?
 - Total of 13 questions/comments.



Public Workshop Outcome

- Project team took the opportunity to review the comments and questions and improve the analysis and documentation.
 - Accomplished a more sophisticated tier 2 contaminant migration model to reduce conservatism and provide a better prediction of contaminant transport.
 - Revised the description of risk reduction impacts of the alternatives to make them clearer and better defined.



Public Involvement Opportunities

- Propose another P Reactor end-state public workshop be held concurrent with the CAB meeting in Savannah on May 19-20.
- In April/May 2008, issue the Early Action Proposed Plan for a 45-day public review and comment.
- Issue the P-Area Operable Unit Statement of Basis/Proposed Plan for 45 day public review and comment in February 2009.



- Questions?

