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Update on Waste Incidental to Reprocessing Activities at the Savannah River Site

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November 15, 2010

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Objectives

- NRC's Role
- Consultation Activities
  - F-Tank Farm
  - H-Tank Farm
- Monitoring Activities
  - Overall monitoring
  - Saltstone Facility

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NRC's Role

- NRC Traditional Role
  - Regulate Commercial Use of Radioactive Material
- NRC NDAA Role
  - Consult with DOE on Waste Determinations
  - Monitor Disposal Actions

NRC's Role

Consultation

- Process
  - Scoping
  - NRC reviews basis documents and documents review via Technical Evaluation Report (TER)
- Current Activities
  - Scoping for H-Tank Farm PA
  - Reviewing F-Tank Farm basis documents

NRC's Role

Monitoring

- Process
  - Site-specific monitoring plan developed
  - Onsite Observations
  - Technical Reviews
  - All above in coordination with SCDHEC
- Current Activities
  - Saltstone Facility monitoring
  - 2009 Updated Saltstone PA Review

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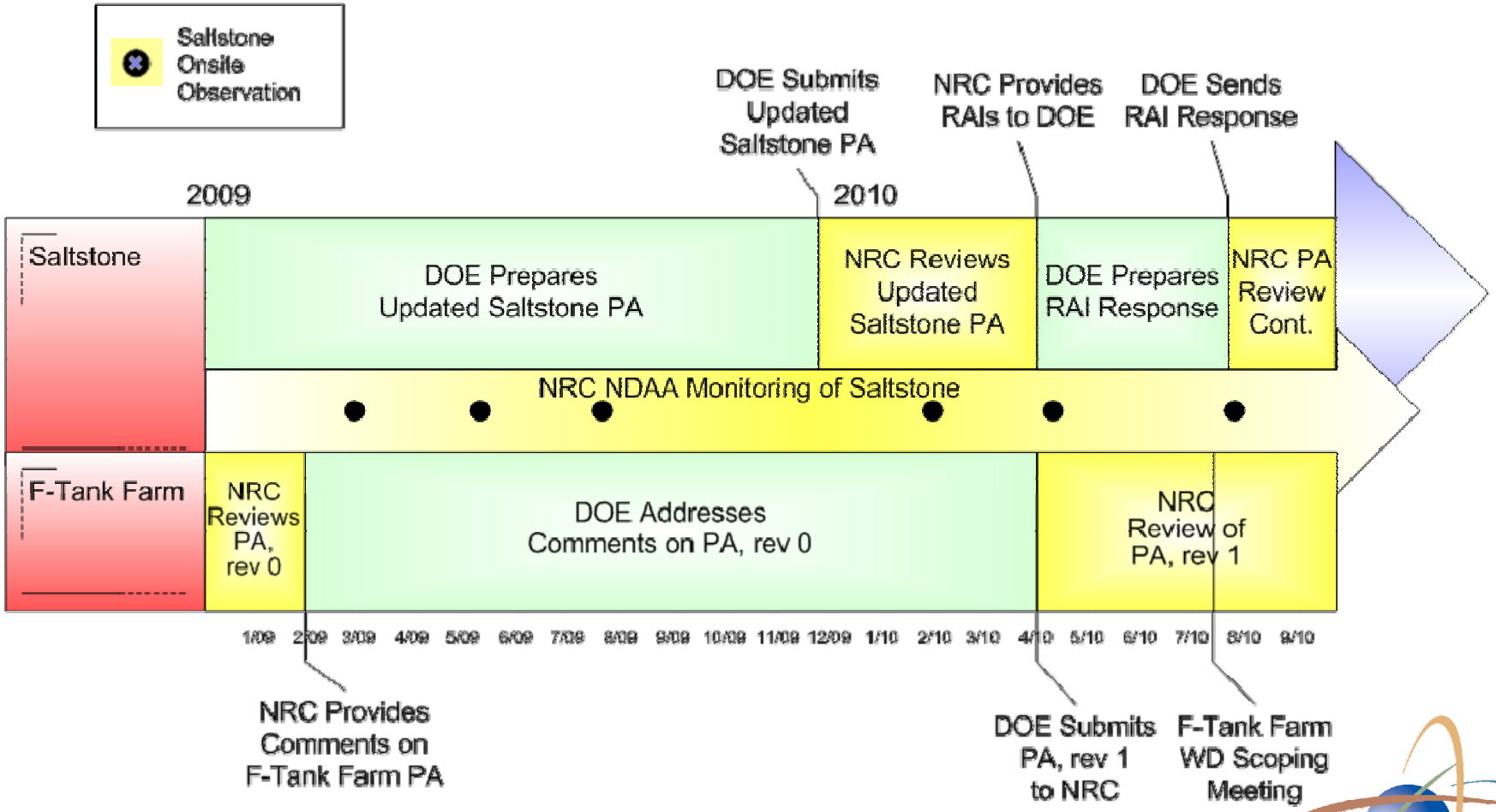
NRC's Role

WIR Timeline: 2009 – Present Day



Consultation Activities

F-Tank Farm

- NRC Staff reviewed PA in 2008 and provided comments
- NRC Staff currently reviewing revised PA and Draft Waste Determination submitted to NRC in April 2010

Consultation Activities

F-Tank Farm (cont.)

Date	Milestone
July 2010	Public scoping meeting
October 2010	DOE submits draft WD
December 2010	NRC submits RAI to DOE
May 2011	NRC's completes TER
June 2011	DOE submits final WD
July 2011	NRC begins development of monitoring plan

Consultation Activities

H-Tank Farm

- Scoping Process
  - Meeting with NRC/DOE/EPA/SCDHEC meeting held April 2010
  - Only items unique to H-Tank Farm covered *(e.g., several tanks are located with zone of water table fluctuation or tank bottoms saturated)*
- Performance Assessment
  - To be submitted to NRC March 2011

Monitoring Activities

Overall Monitoring

- 2009 Annual Monitoring Report published (ML101950390)
- Calendar Year 2009 Activities
- Calendar Year 2010 Activities
- Continuing review of 2009 Saltstone PA
  - Technical Evaluation Report (TER) scheduled for June 2011 completion

Monitoring Activities

Saltstone Facility

Date	Milestone
November 2009	DOE submits PA to NRC
December 2009	NRC/DOE have public meeting at NRC-HQ
April 2010	NRC issued 1st RAI
July 2010	DOE response received
September 2010	Public Teleconference on RAI Responses
November 2010	2nd RAI planned
March 2011	DOE response requested
June 2011	NRC review to be completed (*documented in TER)*
July 2011	NRC Monitoring Plan revision to begin

Monitoring Activities

Saltstone Facility (cont.)

- Onsite observations planned on calendar year basis
- Three observations conducted in 2010
- Details available in observation report and at the end of each calendar year in the Annual Monitoring Report, NUREG-1911

Monitoring Activities

Saltstone Facility (cont.)

- NRC conducted an onsite observation in July 2010
  - Saltstone Quality Assurance Plan
  - Hydro-test results on Cell 2A and 2B
  - Saltstone Core Samples
  - May 19, 2010 Saltstone Inadvertent Transfer

Path Forward

NRC NDAA Activities at the Savannah River Site

- Enhanced NRC interaction with CAB
- Update the NRC monitoring plan and continue monitoring activities for Saltstone
- Continue consultation activities for F- and H-Tank Farms

NRC/DOE Public Meeting

Upcoming Events

- Date: Tonight, November 15
- Start Time: 7:00 PM
- Location: Aiken Community Center, Aiken, SC
- Purpose: Public awareness of NRC/DOE Section 3116 activities at the SRS

Thank you for Participating

- For questions and comments, please contact
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