



SRS Citizens Advisory Board

Environmental Restoration Committee Meeting Summary

North Augusta Community Center, North Augusta, SC
February 11, 2003

The Citizens Advisory Board (CAB) Environmental Restoration Committee held a meeting on February 11, at the North Augusta Community Center, North Augusta, SC. The purpose of the meeting was to discuss the TNX OU Statement of Basis/Proposed Plan, and hear public comment. Those in attendance were:

CAB Members

Perry Holcomb*
Lola Richardson*
Wade Waters
Jerry Devitt
Bill Lawless

Stakeholders

Sam Booher
Mike French
Lee Poe
Cy Banick
Frank Carl

DOE/Contractors

de'Lisa Bratcher, DOE
Teresa Haas, WSRC
Paul Sauerborn, WSRC
Rita Stubblefield, DOE
Roger Duke, BWXM
Angela Adams, DOE
Chuck Gorman, SCDHEC
Ed McNamee, BSRI
Gerald Blount, BSRI
Christen Long, SCDHEC
Don Siron, SCDHEC
Sriram Madabhushi,
SCDHEC

* Members of the ER
Committee

Perry Holcomb, Chair, opened the meeting at 6:00 p.m. and welcomed those in attendance. Introductions followed. Mr. Holcomb stated that his philosophy for this committee was to be equally fair when expressing opinions both technical and non-technical in nature. He noted that presenters will be allowed to complete their presentations before comments and questions would be entertained, and if questions could not be answered at the meeting they would be pursued and answered at a later date.

Statement of Basis / Proposed Plan for the TNX Operable Units (TNX-OU):
Ed McNamee stated that this operable unit consisted of four distinct categories:

- **Groundwater – currently under an interim action**

- **Burying Ground**
- **Old Seepage Basin and Upper Discharge Gully**
- **New Seepage Basin**

Mr. McNamee stated the following on the Groundwater:

- **Volatile Organic Compounds (VOCs) principle contaminants**
 - **appears Burial Ground is primary source**
 - **others sources may be present from closed seepage basin**
- **Other contaminants**
 - **Localized Hg at (TBG-4 well)**
 - **Ra226 and gross alpha in the vicinity of the Burial Ground is being evaluated**
 - **Further evaluation of Uranium and gross alpha in the groundwater under the Delta (at the Savannah River) OU is on-going**

The selected remedial actions for the TNX OU are as follows:

Groundwater:

- **Extraction in high VOC areas along with Monitored Natural Attenuation (MNA) and Institutional Control (ICs), necessitating continued operation of the existing pump-and-treat system and groundwater monitoring and reporting.**

TNX Burying Ground:

- **Soil Vapor Extraction System will remove VOC's in the vadose zone that contributes to groundwater contamination**

New TNX Seepage Basin:

- **Backfill the site and commence Institutional Controls**

Old TNX Seepage Basin:

- **Remove approximately 2,180 cubic yard of contaminated dirt and send to approved disposal facility, construct an engineered earthen cap, and commence Institutional Controls**

Mr. McNamee concluded by identifying the costs associated with the above cleanup:

- **Groundwater - \$5,088,119**
- **Burying ground - \$1,119,270**
- **Old TNX Seepage Basin - \$4,722,382**
- **New TNX Seepage Basin - \$596,207**

Total-----\$11,525,978

Lee Poe asked if the Savannah River Site were to do nothing regarding this cleanup, what would be the consequence. Mr. McNamee stated that the groundwater contamination was above drinking water standards and thus to be compliant with the regulations the actions stated must move forward. Rick McLoed asked when physical work is projected to start on this OU. Mr. McNamee stated the work would start in approximately one year. Bill Lawless commented that the end date of cleanup would be at the time the site achieved the regulatory goal.

SRS Facility Disposition Project Deactivation and Decommissioning (D&D) Program:
Roger Duke stated that he would explain the program speaking to the following:

- What is D&D – Process and Definitions
- D&D Accomplishments at SRS
- SRS Facilities
- SRS End State Vision – How D&D decisions are made
- Recent D&D Accomplishments
- The Six Pack
- The Future

Mr. Duke stated that the primary difference between the old and new process of D&D is that the old process only looked at taking a building to Deactivation and Safe Storage, whereas the new process includes Decommissioning which takes the building to either in-situ disposal or demolishing the building completely.

Mr. Duke defined the terms of D&D as follows:

- Deactivation – are actions taken following shutdown to reduce risk and maintenance costs, where the resulting condition can be safe storage
- Safe Storage – Low risk/low cost condition of a facility following deactivation while awaiting decommissioning, but not an end state and may be an appropriate long-term condition
- Decommissioning – are actions taken to place a facility in its final end state
- End State – Final condition of a facility resulting in two choices, either demolishing or in-situ disposal (entombed)

Mr. Duke explained the evolution of the D&D Program as follows:

- SRS D&D Program established in 1996 – and responsible for safely managing legacy inactive facilities (M,R,P, and C areas, 247-F (previously naval fuels))
- By end of FY02, SRS successfully transitioned 2 Operating areas to the disposition program using 1C Manual process; both D-Area and TNX Area
- The D&D Program continues to increase the number of inactive buildings it manages by implementing cost effective disposition programs including:
 - Risk Reduction Programs
 - Focused deactivation Program
 - Requirements based Surveillance and Maintenance Program

- Transferring Assets for Services Dismantling and Removal (D&R) Services
- Decontamination and Size Reduction Technologies
- SRS D&D Program is positioned to support the site closure strategy

In terms of D&D Program Performance since FY96 the following has occurred:

- Reduced annual S&M cost by over \$30 million
- Reduced Risk in inactive facilities by 85 percent
- Twelve percent of the facilities have been placed in their final end state
- Reduced the occupied footprint by 500,000 square feet
- Reduced the physical footprint by 70,000 square feet using Assets-for-Services
- No Lost or Restricted Time Accidents for last 6 years

Mr. Duke identified the end state vision for SRS to remain a Federal Property with a central core surrounded by an environmental buffer zone. Mr. Duke stated that the SRS site database identifies approximately 4,500 structures from reactors to office buildings and signs, all of which are broken into three areas, Nuclear, Radiological, and Industrial, all having a performance metric called the Gold Metric.

Mr. Duke explained the logic of the logic behind the decision making process and noted that the Facility Disposition Projects (FDP) organization is developing a D&D Plan to identify end states for all SRS facilities. The Plan will be available in the April 2003 time frame.

Mr. Duke stated the D&D Program uses best practices demonstrated in the DOE complex in the areas of Cost Estimating, D&D Strategies, and Contracting. Our progress is as follows:

- Ahead of schedule in implementing the DD-1 initiative
 - Demonstrated 9 TNX Buildings Reducing Footprint by 44,000 square feet
 - D&R'd the T Area Steam Line
 - Initiated Equipment Removal in M Area
 - Held Vendor Forum for D&D Subcontracts
 - Issued 3 Requests for Proposal for T and M areas
- Removed the 2H Evaporator Neutralization Tank and Dike System
- Deactivated K Disassembly Basin and transferred to FDP
- Made Substantial Progress toward Completing SRS Integrated D&D Plan
 - First Version Due in April of 2003
- Re-Organized FDP into Project Organization

Mr. Duke offered to the ER Committee that D&D will be embarking on the 6-Pack effort, which will commence and complete within the next 18 months. The buildings effected by this are 340-M, 320-M, 322-M, 330-M, 313-M, and 331-M. The workforce will be split among Site Forces, Assets for Services Subcontractors and Fixed Price Subcontractors.

Mr. Duke concluded by emphasizing the excellent safety record of the D&D organization and the importance placed on keeping in the forefront of all the upcoming work.

Mr. Holcomb asked when D&D would hit end states on projects. Mr. Duke replied that there are discussions currently underway with the ER Program regarding the clear definition of end state. Sam Booher asked if existing buildings were being considered for new missions. Mr. Duke stated that

NNSA would determine if they should want to use existing facilities at the Site for any future missions, since they will be NNSA's to manage. Mike French asked what the next big effort would be in D&D. Mr. Duke replied that there will be an increase in decommissioning and it is ramping up quickly. Rick McLeod asked what is driving D&D activities. Mr. Duke stated that DOE made it clear to the Program that they do not want to manage risk, but eliminate it.

Public Comments:

Mr. Poe stated that to hold comments regarding a presentation until the end of the presentation could possibly hinder such comments and perhaps drive the public from participation in future meetings. Mr. Lawless agreed. Mr. Holcomb adjourned the meeting at 7:40 p.m. *Meeting handouts may be obtained by calling 1-800-249-8155.*

Action Items:

- **Mr. Holcomb asked that Mr. Duke make his presentation at the next full CAB meeting to be held March 25, 2003.**
- **Mr. Holcomb asked that Dave Freeman give a presentation on the technical side of D&D activities with particular emphasis on the determination of risk.**
- **Sam Booher asked for a copy of the Statement of Basis / Proposed Plan for the TNX OU**