SRS Citizen's Advisory Board

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Environmental Restoration Committee

Meeting Summary

June 20, 2002
North Augusta Community Center
North Augusta, SC

CAB Members	Stakeholders	DOE/Contractors
Jimmy Mackey*	John Meyer	de'Lisa Bratcher, DOE
Ann Dalton*	Phyllis Britt	Paul Sauerborn, WSRC
Perry Holcomb*		Mike Griffith, WSRC
Murray Riley*	Regulators	Teresa Haas, WSRC
Dorene Richardson*	Ken Feely, EPA-4	Paul Huber, BSRI

Introduction

Jimmy Mackey introduced himself and asked other attendees to identify themselves. Mr. Mackey announced that Doreen Richardson had agreed to serve as Vice Chair.

Schedule Review

Paul Sauerborn reviewed the 2002 schedule. He asked that if anyone had additional items to be reviewed to tell Mr. Mackey or Mr. Sauerborn.

CAB ER Recommendations – Status

Mr. Mackey addressed the status of the following CAB ER Committee Recommendations:

#134 Open to Closed
#145 Pending to Closed
#150 Pending to Open
#151 Pending to Closed

EM Program Performance Management Plan Introduction

Mr. Mackey introduced Teresa Haas, who provided a brief overview of the Draft Pre-decisional Performance Management Plan (PMP). Ms. Haas explained that a series of DOE Workshops and CAB meetings have been scheduled or were being conducted in order to gather public input that will be factored into the final PMP. Ms. Haas stated that the Savannah River Site (SRS) was interested in knowing what is most important to the public in terms of risk reduction; were there certain aspects of the programs being presented that are most important to the public; and what would the public like the SRS to keep in mind when setting priorities for the programs? Ms. Haas noted that the Environmental Restoration (ER) Program would be presenting program-specific Cleanup Reform Initiative Proposals that are contained in the PMP.

ER Status of Cleanup Reform Act Initiatives and Program Update

Paul Huber began his presentation by stating the ER initiatives in the CRA would reduce the ER program by 450 million dollars and accelerates the last constructed remedy by 14 years. Mr. Huber identified the three initiatives to be 1.) Close the Old Radioactive Waste Burial Ground (ORWBG), 2.) Reduce the Contaminants in Fourmile Branch, 3.) Innovative Technologies and Processes. Mr. Huber then elaborated on each as follows:

1. Close the Old Radioactive Waste Burial Ground

Actions:

- Close the 22 Old Solvent Tanks
- Consolidate radiologically contaminated soil from four nearby waste units onto the ORWBG
- Install a low-permeability closure cap over the ORWBG
- Backfill the four nearby waste units with clean soil and protect them with a simple cover

Benefits:

- Expedites project completion by two years
- Achieves over 99% risk reduction
- Closes 4 sites with final Record of Decision

2. Reduce Contaminants in Fourmile Branch

A. Tritium Phytoremediation at the Mixed Waste Management Facility

Action:

- expand the forested spray irrigation area

Benefits:

- Achieve additional reduction of tritium to Fourmile Branch

B. Groundwater Treatment Unit at the F-Area Hazardous Waste Management Facility

Action:

- Inject base (alkaline) solution into groundwater
- Spray irrigate pine forest with treated groundwater

Benefits:

- Reduce reliance of current Groundwater Treatment Units
- Base solution will immobilize radioactive metals and reduce the need for treatment
- Irrigation will reduce the tritium to Fourmile Branch

3. Innovative Technologies and Processes

A. Aggressive source technologies reduces cost and time for cleanup

- Microenfractionation outperforms incineration of pesticides, herbicides, and PCB's by 4 times cheaper
- Dynamic Underground Stripping outperforms Pump and Treat by 75 times faster

B. Passive technologies based on good science drive down costs

- Phytoremediation is used for low cost solution for distal plume cleanups
- Monitored Natural Attenuation deployed when groundwater modeling establishes an acceptable mixing zone, which eliminates the need for active remediation

C. Core Team approach streamlines decision-making and shortens time to begin cleanup

- Efficient decision documents
- Reduced number of revisions
- Reduced number of documents
- Simplified approaches
- Real time decision making
- Get to the field faster

Mr. Huber stated that he would like to inform the meeting attendees of the status of several ER Projects. They are as follows:

1. 8 of 22 solvent tanks have been grouted at the Old Radioactive Waste Burial Ground
2. Final remediation has been completed at the K- and C-Area Reactors Seepage Basins
3. Completion and demobilization of first Dynamic Underground Stripping program at A/M Area
4. Construction completion and startup of phytoremediation in A/M Area southern sector
5. Construction completion and startup of soil vapor extraction at the Miscellaneous Chemical Basin
6. Construction completion and startup of soil vapor extraction and Microenfractionation at the Chemicals, Metals and Pesticides Pits
7. Completion of the soil surface unit at the K-Area Burning Rubble Pit

In closing Mr. Huber was pleased to announce that as of June 15, 2002, the Environmental Restoration Division and its subcontracted workers have safely accomplished no work related injuries or illnesses resulting from an employee missing a day or more of work (generally referred to as a "lost time" case).

There being no public comments, Mr. Mackey closed the meeting.

Handouts may be obtained by calling 1-800-249-8155.