



SRS Citizens Advisory Board

Environmental Remediation and Waste Management Subcommittee

Meeting Summary

September 7, 1999
North Augusta Community Center
North Augusta, SC

CAB Members

Bill Lawless
Karen Patterson
Wade Waters
Kathryn May

Stakeholders

Sam Booher
Bill McDonell
Lee Poe
Joel Massmann
Patricia McCracken
Russ Messick

DOE/Contractors

Chris Bergren, BSRI
Kim Wierzbicki, WSRC
Gerri Flemming, DOE
Paul Huber, BSRI
Paul Sauerborn, WSRC
Gerry Stejskal, WSRC
Michelle Ewart, DOE

Regulators

Marianna DePratter, SCDHEC
Keehna Frasier, SCDHEC
Sharon Cribb, SCDHEC
Craig Marriner, SCDHEC

Thomas Johnson, BSRI
Ed McNamee, BSRI
Kim Johnson, BSRI
Robert Baker, DOE
Robert VanPelt

Public Comments: Bill Lawless opened the meeting by asking for any public comments. There were none.

Schedule Review: Paul Sauerborn reviewed the upcoming meeting schedule with the meeting attendees and Mr. Sam Booher asked to have the meeting on October 26 in North Augusta so that several associates of Mr. Booher from Augusta would like to attend. Ms. Patricia McCracken asked a question regarding sodium-bonded fuel and if the site was in compliance with NEPA. The answer was yes, and that more information could be provided. As a general question, Mr. Lawless asked Mr. Bergren if an update of the SRL Seepage Basin will be presented in the future, and that it was agreed to be set for October/November time frame. Mr. Bergren stated that the rev.1 ROD had been delivered to the regulators last week and that there appeared to be no showstoppers. In addition, the next field action for the basins was to award the contract in late October and to mobilize into the field in mid December 1999. Efforts in December will consist of erosion control and vendor mobilization. Scope of work is to excavate approximately 6,000 cubic yards of soil for disposal at the Envirocare facility in Utah.

Issue: Status of the SRL Seepage Basin

Action: Schedule a status of the SRL Seepage Basins for October/November time frame.

A/M Area Groundwater status: Chris Bergren gave the status of the A/M area in order to reacquaint the meeting attendees with the location and the way in which the site is dealing with the remediation of the groundwater in that area. Mr. Bergren addressed A/M in four pieces: Overview of Groundwater Problem, Groundwater Strategy, Groundwater Strategy – Path Forward, and Cleanup Challenges. Mr. Bergren

explained that the primary Constituents of Concern were TCE, and PCE. The primary cleanup techniques used are Soil Vapor Extraction, Airstrippers, and Recirculation Wells. Some challenges are to conduct additional source area characterization, deployment of new innovative technology to address source area, and to evaluate acceptable cleanup goals. The challenges are to locate and cleanup Dense Non-Aqueous Phase Liquids (DNAPL). Mr. Lawless was concerned with the lack of the characterization of A/M area, and Mr. Bergren stated that the site will be using more extensive characterization in M-Area and will be conducting a survey of the vadose zone using cone penetration. Mr. Lawless also asked if WSRC would be responding in writing to Joel Massmann's findings. Mr. Bergren said that they would do so when Mr. Massmann's final document was presented. Mr. Lawless stated that it is his belief that WSRC has a handle on recirculation Technology. Mr. Booher asked if there were any new technologies being looked at for future deployment. Mr. Bergren stated that a new technology making use of steam is being given consideration for use in the future. Ms. McCracken asked if coal was still used on site. She expressed concern over the pollution caused by coal burning. Mr. Bergren stated that the Savannah River Site still uses coal burning for the production of steam for site use.

Issue: Receiving comments from all sources on Joel Massman's ISPR. WRSC is to provide formal response to any findings that may come out of Joel Massmann's presentation.

Action: To draft a motion in response to the ISPR is to recommend to the three agencies that they should explain the criteria they have been operating under.

F/H Area Groundwater status: Ed McNamee gave a brief status of the F & H Water treatment units. Mr. McNamee addressed the H-Area and stated that routine treatment began on 5/20/99 treating over 21 million gallons in the May through August time frame with only five hours of downtime. The F-Area Water Treatment Unit was down in June for planned modifications (chemical addition system relocated) and restarted in July, treating over 10 million gallons from May through August. Mr. Lawless asked Mr. McNamee if the Phase one permit had been issued. Mr. McNamee responded that the permit had been issued. Mr. Booher asked Mr. McNamee where does the treated water go after it is pumped and treated. Mr. McNamee stated that the water is re-injected behind the basins and that it can be readily identified if it were to be pumped out in the future. Mr. Lawless asked if the site would comment on Mr. Massmann's final findings. Mr. McNamee stated yes too the inquiry. Ms. McCracken asked if this process of pump and treat had any adverse effect on the State of Georgia's water supply. Mr. McNamee stated no that they were not pumping from the deep aquifers of water that are used by the state of Georgia for part of its water supply.

Issue: The status of the F&H phase I groundwater cleanup.

Action: The action is to recommend in the new motion to the state and SRS to move past phase I status to begin deliberations on phase II goals.

A/M Area Independent Scientific Peer Review: Joel Massmann presented his Independent Scientific Peer Review of the A/M Area Selected Subsurface Remediation Activities. The objective and scope per Mr. Massmann was to review selected activities aimed at removing subsurface contaminants. The primary focus was 90% A/M area subsurface contaminants and 10% F/H Area water treatment system. Mr. Massmann noted that the work accomplished in A/M area was excellent. Mr. Massmann has noted that the goals should be based on the impacts to groundwater and Technology Effectiveness. In F/H Area Mr. Massmann stated that corrective actions should be handled in a phased approach. Phase one is to construct groundwater extraction, treatment, re-injection systems and to operate for a three-year period. Phase two plans will be dependent on the effectiveness of Phase one system.

Issue: None

Action: Prepare Final ISPR document, and present findings at the CAB meeting on September 27th.

ER CAB Recommendations Status: Mr. Lawless addressed briefly the path forward for the ER related CAB recommendations. Mr. Lawless asked that a meeting be set up with Mike Schoener in order to address the recommendations. Since time was running short, discussion on the recommendations will be deferred to the meeting.

Issue: Concern that the past ER CAB recommendations are not being addressed in a timely manner.
Action: Paul Sauerborn to have Mike Schoener contact Mr. Lawless in order to set up a meeting to address ER CAB Recommendations.

Bill Lawless asked for any other public comments. There being none the meeting was adjourned.

Meeting handouts may be obtained by calling 1-800-249-8155.