

Summary Notes – June 23, 2014
SRS Citizens Advisory Board
Facilities Disposition & Site Remediation Committee

The Savannah River Site (SRS) Citizens Advisory Board (CAB) Facilities Disposition & Site Remediation (FD&SR) Committee held a meeting on Monday, June 23, 2014, from 6:30-8:20 p.m., at the Department of Energy (DOE) Meeting Center in Aiken, SC. It was also streamed online via Google Hangouts.

The purpose of this meeting was to receive a presentation about phytoremediation efforts at SRS. There was also time set aside for committee discussion and public comments.

Attendees:

CAB:

Tom Barnes – FD&SR Chair
Dr. Marolyn Parson – CAB Chair
Harold Simon – CAB Vice Chair
Ed Sturcken
Dr. William Rhoten – *Online*

Agency Liaisons:

Susan Fulmer, SCDHEC – *Conf. Call*
Heather Cathcart, SCDHEC – *Conf. Call*
Diedre Lloyd, EPA – *Conf. Call*
Scott Simons, SCDHEC
Greg Mason, SCDHEC

DOE/Contractors/Others:

Avery Hammett, DOE-SR
Phil Prater, DOE-SR
Bill Taylor, DOE-SR
Angelia Adams, DOE-SR
Gerri Flemming, DOE-SR
Kim Cauthen, SRNS
Chris Bergren, SRNS
Gerald Blount, SRNS
James Tanner, Time Solutions, LLC
Ashley Whitaker, Time Solutions, LLC

Stakeholders:

Nancy Bobbitt
Dan Burnfield
Liz Goodson

Welcome and Introduction:

CAB member Tom Barnes opened the meeting by welcoming everyone and reviewing the committee's purpose. He asked everyone to introduce themselves, including online attendees. He provided a recommendation status update and stated that recommendations 315 and 317 were open. He introduced Mr. Gerald Blount, Savannah River Nuclear Solutions (SRNS), to begin his presentation.

Presentation: Phytoremediation at the Southwest Plume of the Mixed Waste Management Facility; Reducing Tritium Flux to Fourmile Branch – Gerald Blount, SRNS

Mr. Blount said the purpose of the presentation was to complete a 2014 FD&SR Work Plan topic by updating the CAB on progress in tritium flux reduction to Fourmile Branch (FMB), and the irrigation area expansions that had been installed. He stated that phytoremediation was the use of plants in an environmental cleanup remedy. Mr. Blount explained the goal of the phytoremediation project was to protect the water quality of the Savannah River since the river was a downstream drinking source; however, he pointed out that there were no downstream drinking water or ecological issues with releases from SRS. He said three phytoremediation corrective actions, under the Resource Conservation and Recovery Act (RCRA), were currently being performed on the groundwater adjacent to FMB. Mr. Blount explained that the goal for corrective actions was to have a 70 percent reduction in tritium flux to FMB. He showed FMB's location at SRS before discussing three plumes that were contributing tritium into FMB. He provided information about the sources of the Southwest Plume, the effects on FMB, and current remediation efforts. He discussed a diagram for how the phytoremediation system worked and explained how there were virtually no dose effects from the phytoremediation efforts. He displayed pictures of the water capture system and the upgraded pumping system. Mr. Blount discussed the eastern and western expansion areas of the irrigation system. He provided a chart titled, "Tritium in Fourmile Branch," to describe tritium changes in FMB since the

project began in 2000. He provided a second chart to discuss the timeline for all corrective actions performed at FMB. He provided a third chart that represented future tritium changes in FMB stating that based upon current tritium management, with future radioactive decay, the maximum concentration limit (MCL) should be achieved at the mouth of FMB in less than 30 years. Mr. Blount explained that the phytoremediation project was performing as designed. He explained that eastern and western expansions of the irrigation system were implemented and the goal to achieve protection of the water quality of the Savannah River was being achieved. You can view this presentation on the CAB website at: cab.srs.gov

Committee Discussion:

CAB member Barnes asked if the FD&SR Committee had any other business. CAB Chair Parson asked if the Information PODS, being sponsored by DOE and SRNS, were being held in response to recommendation 315. Mr. Bill Taylor, DOE-SR, said the information PODS could be considered part of DOE's response. CAB Chair Parson asked if the materials and presentations discussed at those meetings were available for individuals who could not attend. Mr. Taylor said the presentations were available online. You can listen to this discussion on the CAB website at: cab.srs.gov

Public Comments

There were no public comments.

CAB member Barnes adjourned the FD&SR Committee meeting.

The next FD&SR Committee Meeting will be held on Tuesday, August 26, 2014, from 6:30-8:20 p.m., at the DOE Meeting Center in Aiken, SC.

**The online recording of this meeting is located on the CAB's website at:
cab.srs.gov**