

Summary Notes - April 26, 2011
SRS Citizens Advisory Board
Waste Management (WM) Committee Meeting

The Savannah River Site (SRS) Citizens Advisory Board (CAB) Waste Management (WM) Committee held a meeting on Tuesday, April 26, 2011, from 7:30-9:00 p.m., at the DOE Meeting Center in Aiken, SC. It was also streamed online via Live Meeting.

The purpose of this meeting was to receive presentations on the Liquid Waste Overview, Spare Parts Recommendation Updates, and an H-Tank Farm Performance Assessment.

Attendees:

CAB Members

Dr. Emile Bernard-Committee Chair
Dr. Donald Bridges, CAB Chair
Ed Burke
Louie Chavis-*Online Attendee*
Judy Greene-McLeod, CAB Vice Chair
Dr. Rose Hayes
Stan Howard
Dr. Marolyn Parson-*Online Attendee*

Stakeholders

Tom Clements
Joe Ortaldo
Nancy Bobbitt
Rick McLeod
Liz Goodson

DOE/Contractors/Others

Terry Spears, DOE-SR
Gerri Flemming, DOE-SR
Thomas Gutmann, DOE-SR
Linda Sutton, DOE-HQ
Roger Seitz, SRNL
Jeannette Hyatt, SRNS
Nancye Bethurem, SRR
Kent Rosenberger, SRR
Brad Swanson, ES
Graham Sillito, ES
Bob Leugemons, SWPFPO
David Little, SRR
Erica Williams, V3
Ashley Whitaker, V3
James Tanner, V3

Agency Liaisons

Martha Berry, EPA
Bob Adams, SCDHEC
Andrew Persinko, NRC
Jim Shaffer, NRC

Welcome & Introduction

Emile Bernard, Waste Management (WM) Committee Chair, welcomed everyone, and reminded everyone that the meeting was being broadcasted online. He said there would be a public comment period at the end of the meeting and encouraged everyone to sign-in.

Presentation: Liquid Waste Overview-Doug Bumgardner, SRR

Mr. Bumgardner reviewed the mission for liquid waste and listed the Liquid Waste Program objectives. He referred to an overview of the liquid waste facilities; there are 170 acres of liquid waste facilities. He then referenced a diagram of the Liquid Waste System, and reviewed the Liquid Waste work scopes. Mr. Bumgardner reviewed tank designs, type IV tank construction, and the tank closure status.

He continued by reviewing waste retrieval, and referenced photos of Tank 5 and Tank 19. He also referenced a diagram of grouting, as well as photos of salt waste that was stored in Tank 42 and a sludge sample. He reviewed the SRS Liquid Waste Composite Inventory, which included a diagram that listed the

volume and radioactivity, and then overviewed a Liquid Waste System diagram. He included information on sludge processing, the Liquid Waste System, Salt Treatment Facilities, and the Small Column Ion Exchange (SCIX). He wrapped up his presentation by showing photos of the Saltstone facility, Saltstone Disposal Cells 2A and 2B, and Future Disposal Cells. He stated that the Liquid Waste Program Mission includes the safe disposal of SRS waste.

Presentation: Liquid Waste Programmatic Risk Reduction-Spare Equipment & Spare Parts-Doug Bumgardner, SRR

Mr. Bumgardner reviewed and addressed CAB Recommendation 274. He provided a diagram that determined life expectations by showing typical items used to identify how the equipment is performing and being maintained. He reviewed sources for determining life expectations, as well as more information on determining life expectations of equipment, focusing on the System Performance Monitoring Program and assessments. He then went over the development of spare equipment and the spare parts list.

He began reviewing the second part of the recommendation, which asked for a description of how the spare equipment and/or spare parts program is or is not consistent with shorter life history scenarios. To address this portion of the recommendation, Mr. Bumgardner reviewed a chart concerning consistency with shorter life history scenarios. He addressed the potential for change.

He continued by reviewing the third portion of the recommendation, which asked for identification of areas of significant risk reduction and an explanation of how these risk reductions relate to the spare equipment and spare parts budget. He reviewed risk reduction, addressing the most significant risk hazard reduction, the Contract Performance Baseline, and stating the facility operating budgets are ranked at the top of the Integrated Priority List (IPL).

Mr. Bumgardner reviewed the fourth portion of the recommendation, which listed areas where equipment life histories are being pushed because of operating rates or more extreme operating conditions. He then reviewed the tank farm equipment, the Defense Waste Processing Facility (DWPF) equipment, and Saltstone equipment.

At this time, Graham Stilito, Maintenance Manager of SWPF, gave a brief overview that answered the CAB's questions about SWPF listed in Recommendation 274.

Presentation: H-Area Tank Farm Performance Assessment (PA) Overview-Kent Rosenberger, SRR

Mr. Rosenberger defined the purpose of his presentation, and explained what a PA is. He referred to a chart of the Regulatory Document Path. He also referred to a graph that showed the General Separations Area. He continued by referring to more photos and charts, highlighting the H-Area Tank Farm and tank designs. He provided information on the H-Area Tank Farm, including how many waste tanks there are, the number of evaporators and pump tanks, as well as details on transfer lines.

He reviewed the H-Area Tank Farm PA development and overviewed its contents. He addressed the Hybrid Modeling Approach and showed a photo of a conceptual model. He explained the H-Area Tank Farm hydrogeology, and showed diagrams of the "Near-Field Tank Aquifer Streamtraces," and the "Far-Field Tank Aquifer Streamtraces." Mr. Rosenberger accounted for "member of the public pathways," as well as "chronic intruder pathways." He reviewed the bases for requirements and a perspective of annual dose limits. He then referred to a chart of conclusions, and another graph concerning dose limits which listed the calculated dose following the H-Area Tank Farm closure. He summarized his presentation by stating the H-Area Tank Farm PA has been completed and is undergoing external review, and stated what kind of information it provides. He also included a link to where it is posted online.

Mr. Bernard, WM Committee Chair, adjourned the meeting.

The next WM Committee Meeting will be held on Tuesday, June 28, from 7:30-9:00 p.m., at the DOE Meeting Center in Aiken, SC.

The online recording of this meeting can be found on the CAB's website at:
<http://cab.srs.gov>