

Summary Notes – August 4, 2015
Savannah River Site (SRS) Citizens Advisory Board (CAB)
Nuclear Materials (NM) Committee Meeting

The NM Committee held a meeting on Tuesday, August 4, 2015, from 6:30-8:20 p.m., at the New Ellenton Community Center in New Ellenton, South Carolina. It was also streamed online via Google Hangouts and posted to the CAB website and YouTube page. The purpose of this meeting was to receive an update on H-Canyon operations. There was also time set aside for committee discussion and public comments.

Attendees:

CAB:

Larry Powell – NM Chair
Harold Simon – CAB Chair
Nina Spinelli – CAB Vice Chair
David Hoel
Louie Chavis – Online
Dawn Gillas
Daniel Kaminski

DOE/Contractors/Others:

Tony Polk, DOE-SR
de’Lisa Carrico, DOE-SR
Patrick McGuire, DOE-SR
Michael Mikolanis, DOE-SR
Maxcine Maxted, DOE-SR
Jay Ray, DOE-SR
Dan Burnfield, DNFSB
Kim Cauthen, SRNS
Jesslyn Pearson, Time Solutions
James Tanner, Time Solutions
Tina Watson, Time Solutions

Stakeholders:

Joe Ortaldo
Wayne Pickman

Agency Liaisons:

Tom Rolka, SCDHEC
Kevin Baird, SCDHEC
Scott Simons, SCDHEC

Welcome and Introduction:

CAB member Larry Powell welcomed everyone. He reviewed the agenda, committee focus, and stated the NM Committee had no open recommendations. He introduced Ms. Maxcine Maxted, DOE-SR, to provide the DOE Point of Contact update. Ms. Maxted provided a brief update of ongoing DOE-SR activities related to the NM Committee before beginning her presentation.

Presentation: H-Canyon Operations – Maxcine Maxted, DOE-SR

Ms. Maxted said she was presenting for Mr. Allen Gunter, DOE-SR, who was on vacation. She stated the purpose of the presentation was to fulfill a 2015 NM Work Plan topic by providing an overview of H-Canyon operations. She provided a copy of the CAB’s “SRS Waste and Material Flow Path” to show H-Canyons relation to SRS operations. Ms. Maxted commented this year was busy for H-Area and she listed different activities. She discussed plutonium processing for the Mixed Oxide Fabrication Facility before displaying a plutonium oxide production flowsheet. She stated Savannah River completed its HB-Line Readiness Assessment (RA) and concurred the facility was ready to start oxide production. She stated the plutonium solution was introduced into the facility on August 8, 2014, and the first can of oxide was produced on August 27, 2014. She stated DOE initiated processing Al-clad spent nuclear fuel (SNF) on September 16, 2014, and as of the end of June 2015, 60 bundles of Al-clad Material Test Reactor (MTR) SNF had been processed so far for this fiscal year. She mentioned the Canadian Target Residue Materials, which she said were liquid materials the Department planned to bring to SRS from the Canadian Nuclear Laboratories Limited (CNLL). She described how the materials would be handled at SRS and ultimately stated the processing of the Canadian Target Residue Materials would generate less than a vitrified glass canister of waste. She discussed how the highly enriched uranium

(HEU) solution would be shipped. Ms. Maxted said a license application had been approved by the Nuclear Regulatory Commission for the four small canister configuration and the HEU liquid content in the Legal Weight Transport cask. She discussed an event that occurred with an agitator in HB-Line; however, she said it was determined that fissile limits defined in the criticality analyses were never violated. Ms. Maxted summarized her presentation stating the H-Canyon complex remained a unique national asset for large scale nuclear materials processing, the dissolution of HEU Al-clad SNF continued, RA's were being performed to resume full facility operations, preparations continued to receive the Canadian liquid material, and HB-Line recovered from the agitator event and resumed plutonium operations. This presentation can be found on the CAB website at: cab.srs.gov

Committee Discussion:

CAB member Powell asked if the CAB members had anything to discuss. CAB member Dawn Gillas asked to review the DOE response to recommendation 330. CAB member Gillas simply read the response; however, there was no further discussion. This discussion can be found at on the CAB website at: cab.srs.gov

Public Comments:

There were no public comments.

CAB member Powell adjourned the NM Committee meeting.

The next WM Committee meeting will be held on Tuesday, October 6, 2015, from 6:30-8:20 p.m., at the New Ellenton Community Center in New Ellenton, SC.

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