

**Summary Notes - April 26, 2011**  
**SRS Citizens Advisory Board**  
**Nuclear Materials (NM) Committee Meeting**

The Savannah River Site (SRS) Citizens Advisory Board (CAB) Nuclear Materials (NM) Committee held a meeting on Tuesday, April 26, 2011, from 6:00-7:30 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 Depleted Uranium Oxide (DUO) Disposition, Heavy Water, and the Nuclear Materials Matrix. There was also time set aside for committee discussion.

***Attendees:***

**CAB Members**

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

**Stakeholders**

Tom Clements  
Joe Ortaldo  
Nancy Bobbitt  
Rick McLeod  
Liz Goodson

**DOE/Contractors/Others**

Patrick McGuire, DOE-SR  
Gerri Flemming, DOE-SR  
Maxcine Maxted, DOE-SR  
Jay Ray, DOE-SR  
Thomas Gutmann, DOE-SR  
Sonny Goldston, SRNS  
Jeannette Hyatt, SRNS  
Chuck Goergen, SRNS  
Nancye Bethurem, SRR  
Erica Williams, V3  
Ashley Whitaker, V3  
James Tanner, V3

**Agency Liaisons**

Martha Berry, EPA  
Bob Adams, SCDHEC

**Welcome & Introduction**

Rose Hayes, Nuclear Materials (NM) Committee co-Chair, opened the meeting by welcoming everyone, introducing members of her committee and herself. She then asked everyone around the table and seated at the back to state their names. She reminded everyone the meeting is being broadcasted online and asked everyone to state their names before making comments. She also asked everyone to sign-in. She then overviewed what the NM Committee's purpose is, and reviewed NM recommendations. She said that she and CAB Chair Donald Bridges attended a public meeting in North Augusta on April 20, concerning DOE's Greater-than-Class C Low-Level Radioactive Waste (GTCC-LLRW) draft Environmental Impact Statement (EIS). She said she had a summary of the EIS if anyone wanted to review it.

**Briefing: Depleted Uranium Oxide (DUO) Disposition-Maxcine Maxted, DOE-SR**

Maxcine Maxted, DOE-SR, brought a slide show of photos to show what is happening with the DUO on-site. She said they've had DUO on-site for many years and it is a byproduct of making nuclear materials. Ms. Maxted showed a photo of how the DUO was stored, and said they get over-packed into a Department of Transportation (DOT) compliant 85 gallon drum. She said this process was finished last summer. She said they were shipping this material to Clive, Utah, by train; they got one trainload sent to Clive. She then overviewed four different DUO Disposition Campaigns to remove the drums.

She said the state of Utah was concerned about the disposal facility there and its Performance Assessment (PA). Environmental Management agreed to not send anymore DUO to Utah until its PA was approved by the state of Utah. She said DOE-SR already had a train loaded with 56 cars and therefore, had to come up with a different solution for getting that material to a disposal facility. She said DOE-SR decided to send the material to the Nevada Test Site; they then had to figure out how to get it there since Nevada does not have rail service. Ms. Maxted then overviewed the process DOE-SR went through in selecting a method of shipping the material. She then showed a prototype of the soft-sided bag they used to ship material. She explained how it worked, what it was made of, and how it would be used. She said they have two different sizes used for shipments. She then showed a photo of the first shipment to the Test Site in Nevada.

She summarized her briefing by stating the campaign is expected to be completed in September 2011, more than 3,000 of the approximate 9,400 drums have been shipped to the Nevada National Security Site, and 10 of the 56 railcars have been unloaded.

### **Briefing: Heavy Water-Maxcine Maxted, DOE-SR**

Ms. Maxted defined what heavy water is made of and explained how it was used on-site. She said heavy water is not usually radioactive, but the heavy water on-site is because it was contaminated with tritium. She said that since the reactors were shut down, there is no need for the heavy water at SRS, so it's been stored in stainless steel drums in K, L, and C Areas; it's also in tanks in those areas. She said that they are trying to disposition the heavy water that is in K Area because the longer they wait to get it out, the harder it will become. She overviewed how many drums and tanks of heavy water K Area has. She then overviewed the amount stored in C Area and L Area. She listed the options DOE-SR has looked at for the disposition of heavy water.

### **Presentation: Nuclear Materials Matrix-Jay Ray, DOE-SR**

Mr. Ray provided a brief update of the Nuclear Materials Matrix. He said that since the matrix was last presented in January, there have been some changes on how DOE-SR plans to disposition materials. He reviewed the previous path and what they plan to do now. He said all the changes are in red.

#### **~Public Comments~**

Joe Ortaldo asked if Headquarters considers H-Canyon and HB-Line one facility or two separate facilities when they talk about putting the facility in a warm standby. Mr. Pat McGuire answered that Headquarters is well aware that H-Canyon and HB-Line are two separate facilities. He said they are aware of the functions both facilities perform; he summarized these functions.

Tom Clements said he attended the Small Modular Reactor Conference in Colombia. He referred to earlier presentations on Energy Parks. He said he was surprised to hear a presentation from a SRNS worker at a CAB meeting, including the answers/questions that resulted from that presentation. He suggested there be a presentation on options for storage and spent nuclear fuel at SRS.

NM Committee Chair Rose Hayes adjourned the meeting.

**The next NM Committee Meeting will be held on Tuesday, June 28, from 6:00-7:30 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>