

Summary Notes – June 5<sup>th</sup>, 2018  
Savannah River Site (SRS) Citizens Advisory Board (CAB)  
Nuclear Materials (NM) Committee Meeting

The NM Committee held a meeting on Tuesday, June 5<sup>th</sup>, 2018, from 4:30 – 6:20 pm, at the Department of Energy Meeting Center in Aiken, SC. It was also streamed online via YouTube and posted to the CAB website and YouTube channel. The purpose of this meeting was to receive updates on the Point of Contact status. There was also time set aside for committee discussion and public comments.

Attendees:

<u>CAB:</u> Susan Corbett David Eisele Dawn Gillas Jim Guille Charles Hilton Douglas Howard Dan Kaminski Narinder Malik Larry Powell Mary Weber	<u>DOE/Contractors/Others:</u> Maxcine Maxted, DOE-SR James Tanner, S&K Federica Staton, S&K Chelsea Gitzen, S&K Kristin Huber, SRNS Mike Dunsmuir, SRNL	<u>Agency Liaisons:</u> None  <u>Stakeholders:</u> Joe Ortaldo Elester Putham, BWXT Jim Marra, CNTA Chuck Messick Nancy Boboite, US Senator Isakson
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Committee Welcome: Larry Powell, NM Chair

Mr. Powell welcomed everyone to the meeting.

Point of Contact Status Update: Maxcine Maxted, DOE-SR

Ms. Maxted reported the status of each project under the NM committee purview.

Q&A Session

Mr. Eisele asked if the amount of HFIR core batches received in 2018 will be 10. Ms. Maxted answered that the goal was 10, but she is not sure that goal would be met.

Ms. Gillas asked how many HFIR cores are in each batch. Ms. Maxted replied there are 5 HFIR cores in each batch, and they have processed 15 cores to date. Ms. Gillas then asked how many 3013 canisters had been processed. Ms. Maxted responded that she could not answer that.

Ms. Corbett asked if the POC updates could be provided in writing to the CAB at committee meetings. Ms. Maxted answered that she would need to ask. Ms. Corbett asked why that was, to which Ms. Maxted replied because written comments would need to go through security review first.

Mr. Powell suggested a recommendation idea for tank closure; instead of grouting them when they're empty, SRS should instead put things in those tanks such as materials to be able to get rid of them. Mr. Tanner noted that would fall under the Waste Management Committee purview, and not the NM committee purview.

Mr. Powell suggested another recommendation regarding what would happen in the event of a government shut down. He further added that this recommendation could also address a failsafe

plan to be able to shut down SRS and walk away safely if that's possible due to something like a civil war, economic depression, etc.

Committee Discussion: Draft Recommendation: Restart the SRS/INL SNF Exchange  
Ms. Gillas read this draft recommendation in its entirety.

Ms. Corbett asked how much SNF is in L-Basin and would it be pulled out and put on transport. Ms. Maxted responded that there is less than 10% of the SRS SNF in L-Basin. Ms. Corbett asked if SRS would still be bringing stuff in even after the INL exchange, would it be an equal exchange, and how much material would stay at SRS. Ms. Gillas answered that SRS would process it, take out the uranium and it would go off-site. She also noted the rest is made into glass logs which are fission products, causing a less than 1% increase in the number of glass logs stored in L-Basin. Ms. Corbett continued on again by asking where the cesium goes. Ms. Gillas replied that it would go into the glass logs which wouldn't deteriorate in L-Basin. Ms. Corbett asked yet again why not use dry storage instead, to which Ms. Gillas responded that was very costly. Ms. Maxted added it would cause potentially an increase of about \$4 billion estimated.

Mr. Eisele suggested a wording change, which Ms. Gillas clarified. Mr. Eisele asked if they had already processed 300 bundles covered by the AROD she mentioned in her update. Ms. Maxted corrected him by noting they had processed 200 bundles out of the 1,000 covered by the AROD, and 15 HFIR cores out of 200. She further noted there are currently two dissolvers running, and the AROD campaign is estimated to be completed in 2024.

Mr. Hilton asked clarifying questions which were answered. He then noted SRS is constantly battling daily for space, and asked why his government has a problem understanding this.

Mr. Guille asked if the AROD or ROD deals with future fuel rods which would be sent to the site. Ms. Gillas answered that was the entire point of this draft recommendation.

Ms. Weber suggested a wording change, noting that using the words "political reasons" sounded sarcastic to her and the real reasons for the INL exchange not being created should be mentioned. Ms. Gillas replied that was the problem and she knew it was 100% political because Congress and the president stopped the exchange from happening. Ms. Weber noted that would be better to say than "political reasons." She further noted that since she could not verify those reasons then she could not vote for this draft recommendation.

Mr. Powell suggested a wording change which was accepted.

Mr. Eisele suggested a wording change as well which was also accepted.

Ms. Maxted noted that there are restrictions on ingoing SNF and INL would combine waste streams and SNF which must be approved by the state. She continued by noting the only thing allowed right now is naval SNF. She went on to say the swap was agreed upon, but needs funding and approval. She also noted INL is constructing a process facility for the materials outlined in the exchange proposal. Ms. Corbett asked if such a facility at INL existed comparably at SRS, which Ms. Maxted admitted she did not know the answer.

Ms. Corbett asked if the state is holding up the INL exchange, to which Ms. Maxted responded that the problem was that SRS didn't have the capability to process the materials in the exchange proposal until 2013 in H-Canyon which is why it did not pass previously.

Mr. Powell asked if the non-aluminum and aluminum fuel is in dry storage at INL. Ms. Maxted answered no, they use wet storage. Mr. Powell then asked if they removed SNF from wet storage could they put in SNF from SRS. Ms. Maxted replied no, but it would be dry when it arrived.

Committee Discussion: Spent Nuclear Fuel Disposition Strategy  
Ms. Corbett asked which reactor the recovered uranium from SRS goes to. Ms. Maxted responded Browns Berry

Public Comment

Jim Marra stated the Integrated Waste Treatment Unit at INL will treat 9,000 gallons of SNF.

Joe Ortaldo stated the INL exchange draft recommendation is a good recommendation, and suggested asking for an update on German SNF regarding if it is a proliferation issue or not.

~Meeting Adjourned