



March 21-22, 2022
Savannah River Site (SRS) Citizens Advisory Board (CAB)
Full Board Meeting Summary
Crowne Plaza Hotel, North Augusta, SC

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Monday March 21 Attendance

CAB Attendees

Katrina Belser	Phyllis Britt	Michelle Bush
Carlos Cato	Kandace Cave	DeAndre Davis
Yvette Foster	Jim Guille	AK Hasan
Charles Hilton, CAB Vice Chair	Ruth Hollingsworth	Narinder Malik
Jerry Mossbarger	Gregg Murray, CAB Chair	Marcia Nash
Rana O'Bryant	Kim Ray	Steve Riley
Kenneth Sajwan	David Vovakes	Bobbie Williams

*Absent Members in yellow

SRS Personnel

de'Lisa Carrico, Federal Coordinator, DOE-SR	Amy Boyette, CAB DDFO, DOE-SR	Michael Budney, Manager SR Operations Office, DOE-SR
Zach Todd, DOE-SR	Avery Hammett, DOE-SR	Jim Folk, DOE-SR
Thomas Johnson, DOE-SR	Patricia Petty, DOE-SR	Bert Crapse, DOE-SR
Jimmy McMillian, DOE-SR	Kristin Huber, SRNS	Chris O'Neil, SRNL
Kerri Crawford, SRNS	Sean Protzman, DOE-SR	Harold Phillips, Amentum
Maatsi Ndingwan, DOE-SR	Larry Ling, SRMC	

SRS CAB Support Staff (S&K Logistics)

Anika Edwards, Communications Coordinator	Heather McWilliams, Meeting Planner	James Tanner, CAB Administrator
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Agency Liaisons & Public

Susan Fulmer, SC DHEC	Heather Cathcart, SC DHEC	Gregory O'Quinn, SC DHEC
Jon Richards, EPA	Grace Anne Martin, SC DHEC	Jarret Rice, Bechtel
Anita Brown, SC DHEC	Sam Brother	E Hustad



**Meeting Summary
SRS CAB – Full Board Meeting
Crowne Plaza Hotel, North Augusta, SC
March 21, 2022**

Meeting began at 1:00 PM Eastern Standard Time
<https://www.youtube.com/watch?v=EgzXwRQrJMo>

Chair Update: Gregg Murray, CAB Chair

Mr. Murray welcomed the board to the first meeting of the membership term. Mr. Murray welcomed members who served on the board but then were not part of 2021. Mr. Murray was excited to see the seven new members. He highlighted the importance of the board and its role with SRS. Mr. Murray reviewed the agenda and the general rules.

Meeting Rules: James Tanner, CAB Facilitator

Mr. Tanner reminded board members to ask questions and remember why they are here.

Site Manager Update

Mr. Budney welcomed the board members and was happy to see a large group again. Mr. Budney gave an overview of the budget. An overview was provided on contracts and major projects going on at SRS. Mr. Budney sadly announced Deputy Manager Thomas Johnson will be retiring soon after 40 plus years of government service.

Site Manager Update Q&A

Mr. Malik asked with the merging of Savannah River Remediation and Savannah River Mission Complete (SRMC) groups, would managing of nuclear materials be added to the contract. Mr. Budney said the way the SRMC contract is written, there is an option to add managing nuclear materials. The SRMC contract is an end state contract unlike Savannah River Nuclear Materials (SRNS) contract. Mr. Malik noticed there is no diversity with the SRMC senior management. Mr. Budney said the contract was out to bid, it was a challenging time to find people due to the number of open contracts. Mr. Budney said, SRMC president noted the lack of diversity in the first meeting they had, and SRMC is working to fix the issue.

Mr. Vovakes said he read the Environmental Management (EM) Strategic Vision remarks. He noted a recent report stated shipments to Waste Isolation Pilot Plant may be delayed. He wanted to know if this report would impact SRS. Mr. Budney said SRS was part of the National Transuranic (TRU) Waste Program. There weren't concerns currently about a delay.

Ms. Williams asked if the deer hunts would be back on. Mr. Budney said the deer hunts would continue again 2022.

Mr. Hilton asked if the budget received is what SRS was expecting. Mr. Budney said it was just above what was requested.

Agency Updates

Jon Richards with Environmental Protection Agency introduced himself to the new members. He explained the personnel at EPA. Mr. Richards briefly explained the role of the EPA with SRS. Susan Fulmer introduced



herself as the Federal Facility Manager for South Carolina Department of Health & Environmental Control (SCDHEC). Ms. Fulmer described SCDHEC updates at SRS.

Agency Updates Q&A

Mr. Guille heard SCDHEC might be split into two different agencies, environmental and health. Ms. Fulmer said there is a bill at the state level would be divide the current agency. Ms. Fulmer said it would not impact the work done at SRS.

Mr. Murray noted SCDHEC was seeking public comment for the 235-F project and asked how much public comment was normally received on those requests. Ms. Fulmer said usually the public comment is minimal, around a dozen or so. Mr. Murray asked for her opinion on that amount. Ms. Fulmer state stakeholder groups like the CAB help getting the word out on projects like 235-F.

Community Reuse Organization: Rick McLeod, SRSCRO

Rick McLeod gave an update on the Savannah River Site Community Reuse Organization (SRSCRO) activities. Rick McLeod provided a background and history of SRSCRO, plus SRS Economic Impact Study.

CRO Q&A

Ms. Britt wanted to know how the average salary was posted. Mr. McLeod said he received the information from the contractors.

Mr. Vovakes asked if the 18-24 age bracket had education noted. Mr. McLeod said it do not list education.

Mr. Hasan wanted to know how small business was involved with procurement. Mr. McLeod said he did not break out the performance goals the contractors have conduct with small businesses. Mr. Budney noted each contractor goes above their objective each year.

Mr. Murray wanted to know how much sales was done by SRSCRO. Mr. McLeod said he did not have the exact numbers. The group is given items from the site to resale online.

Mr. Budney said SRSCRO may obtain materials if it would cost DOE more to dispose of it. Mr. McLeod said the money is used for economic programs.

Ms. Britt wanted to know much of equipment that is excessed at SRS comes to SRSCRO. Mr. McLeod said he doesn't know that amount. There is a priority list.

Mr. Hasan wanted to know relationship between the CAB and SRSCRO. Mr. McLeod there is not direct correlation or affiliation between the CAB and SRSCRO.

Mr. Davis thanked Mr. McLeod for the presentation. Mr. Davis wanted to know what would intrigue an 18–24-year-old person to want to apply to SRS. Mr. McLeod gave an example of a chemical engineer. Mr. McLeod said there's a variety of positions available at SRS.

Mr. Hilton reviewed the SRSCRO website with the acquired items from SRS. Mr. Hilton and McLeod made comments about how the surplus system used to work through Columbia, SC.



FY22 Budget Update and Budget Priorities: Derrick Watkins, DOE-SR

Derrick Watkins provided an update on Fiscal Year (FY) 2022 budget priorities. The presentation included an overview of the Federal budget planning process, review of FY22 President's budget, and review of FY22 priorities.

FY22 Budget Q&A

Ms. Williams noticed FY22 pension hasn't changed and wanted to know the status. Mr. Watkins explained how the current administration is handling the pension process.

Mr. Vovakes noticed in previous years pensions were included in the individual Program Baseline Summaries (PBS) but this year it is broken out separately. Mr. Martin said they wanted to pull the pensions out of the overhead accounts to give better visibility of pension requirement. Mr. Vovakes noticed a Hazmat fire truck was requested and he wanted to know why. Mr. Budney said emergency vehicles are refurbished on a regular basis.

Mr. Guille asked hard it is to move money from one PBS to another. Mr. Watkins said it depends on the situation, depends on what the money is coming from.

Mr. Hilton said he was concerned about the operation of H Canyon because it is such an important building. He wanted to know which PBS funds H Canyon. Mr. Crapse said PBS 11 funds H Canyon.

Mr. Murray wanted to know if the new administration added any new priorities for the budget. Mr. Watkins said there were no significant changes. Mr. Johnson mentioned the new administration wanted the site to investigate using more electric vehicles, climate changes ideas, and the Justice 40 initiative.

Public Comment

No comments were made.

Draft Budget Priorities Letter

The CAB reviewed the draft letter of the FY24 priorities according to the board. The board discussed the activities they thought were most important to the community. The letter was proofread and edited as well. DOE and contractor subject matter experts provided insight to assist board members with their discussions.

Voting A&O Chair

Ballots were handed out for the Administrative & Outreach Chair position. Ms. Bobbie Williams was elected as A&O Chair for 2022.

Closing Remarks

Mr. Murray appreciated all the energy and engagement with the meeting.

Meeting recessed at 4:20pm EST



Tuesday March 22 Attendance

CAB Attendees

Katrina Belser	Phyllis Britt, FDSR Chair	Michelle Bush
Carlos Cato	Kandace Cave, WM Chair	DeAndre Davis
Yvette Foster	Jim Guille	AK Hasan, WM Chair
Charles Hilton, CAB Vice Chair	Ruth Hollingsworth	Narinder Malik, FDSR Vice Chair
Jerry Mossbarger, NM Vice Chair	Gregg Murray, CAB Chair	Marcia Nash
Rana O'Bryant	Kim Ray	Steve Riley
Kenneth Sajwan	David Vovakes, A&O Vice Chair	Bobbie Williams, A&O Chair

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Jimmy McMillian, DOE-SR	Kristin Huber, SRNS	Chris O'Neil, SRNL
Kerri Crawford, SRNS	Sean Protzman, DOE-SR	Harold Phillips, Amentum
Maatsi Ndingwan, DOE-SR	Larry Ling, SRMC	Sonya Goines, DOE-SR

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**Meeting Summary
SRS CAB – Full Board Meeting
Crowne Plaza Hotel, North Augusta, SC
March 22, 2022**

Meeting began at 1:00 PM Eastern Standard Time
[Meeting Recording](#)

Chair Update: Gregg Murray, CAB Chair

Mr. Murray welcomed back for the second day. Mr. Murray appreciated all the engagement and energy with yesterday's meeting. Mr. Murray wanted the CAB Chairs to go to the CAB website and review the open recommendations. Several open recommendations could be closed.

Meeting Rules: James Tanner, CAB Facilitator

Mr. Tanner reminded board members they can ask questions while the presentation is taking place. Board members do not need to wait until the end to ask questions.

SRS Solid Waste Program: Kerri Crawford, SRNS

Kerri Crawford from Savannah River Nuclear Solutions (SRNS) gave an overview of the SRS Solid waste Program. Ms. Crawford described what is solid waste and how it is managed at SRS.

SRS Solid Waste Q&A

Ms. Cave wanted to know the cap removal process for the naval containers. Ms. Crawford said the cap over process will be for the entire low level waste facility once it is operational.

Mr. Murray wanted to know what was in the tank on slide 7. Ms. Crawford said the picture low level waste. The tank in the photo would store things like equipment that was no longer needed. Sometimes the tank itself is the waste.

Mr. Guille wanted to know the volume coming out of SRS per year. Ms. Crawford said 5,000 cubic meters per year. The low level is bulk of what they manage.

Dr. Sajwan had comments on what should be considered solid waste.

Mr. Malik wanted to know how the circuit boards from the electronics are managed. Ms. Crawford said it would be reviewed by the technical staff at the waste facility.

Ms. Ray wanted to know if the site recycled waste from lunchrooms. Ms. Crawford said SRS recycles as much as possible.

Ms. Cave asked if the capped over process is like a landfill with sand and lines. Mr. Crawford said it was similar.

Mr. Hilton wanted to know if SRS sends waste over to a Snelling commercial facility. Ms. Crawford said they do not.

Mr. Malik wanted to know how fluorescent lamps are disposed. Ms. Crawford said technical staff reviews the items on what type of waste it will be categorized as.



Mr. Sajwan wanted to know if any bio barriers studies for the low-level waste. Ms. Crawford said during the 100-year institutional control period they will maintain so that no vegetation like pine trees will grow on it.

SRS Occupational Radiation Protection Program: Jack Parker, DOE-SR

Jack Parker's presentation covered a brief introduction of radiation, sources of radiation, radiation at SRS, and control of exposure to radiation to SRS. Mr. Parker started the presentation by asking board members what sources of radiation they knew. Mr. Parker talked about all the protections SRS put in place when it comes to radiation.

SRS Occupational Radiation Protection Program Q&A

Mr. Murray asked if DOE negotiates the limits with the contractors. Mr. Parker said committees that oversee radiation protection with each of the contractors decide those numbers. It's not negotiated, and it's not part of the contract negotiation.

Mr. Guille asked how numbers at SRS compare to Plant Vogtle. Mr. Parker said he does not have that information.

Mr. Sajwan asked if someone monitors tank erosion. Mr. Parker said someone monitors it, but it does not fall over his program. Mr. Sajwan noted he takes trips to Australia quite a bit and wanted to know how much a radiation dose he would receive. Mr. Parker said he doesn't have the exact amount, but he related it to a sunburn. The radiation would not just stay in the body.

Ms. Cave asked what happens if an employee was found with a limit about the goal. Mr. Parker said there are procedures in place and followed.

Mr. Malik asked what the limit on the site boundaries. Mr. Parker said no member of the public should receive no more than 100 millirem a year. However, Mr. Parker said the environmental reports show it is less than 1 a year. Mr. Malik asked about air quality. Mr. Parker showed the slide of Hierarchy of Controls which explained how doses are minimized.

Mr. Hasan asked about food radiation. Mr. Parker said some foods like bananas have natural radiation in them.

Mr. Vovakes asked about handling uranium with bare hands. Mr. Parker said they would be protected from the alpha radiation coming from the uranium.

Salt and Sludge Batch Preparation: Kenneth Wells, SRMC

Kenneth Wells from Savannah River Mission Complete (SRMC) provided a presentation on the salt and sludge preparation. The presentation covered the SRS Tank Waste Inventory which broke down the volume of waste in gallons and curies. Mr. Wells discussed the liquid waste (LW) process flow, high-level waste batch feed preparation, and LW system footprint.

Salt and Sludge Batch Preparation Q&A

Mr. Vovakes asked how radiation enters the atmosphere with the evaporators. Mr. Wells said he did not have the exact number, but they had thermistors which protect high amounts from entering the atmosphere. Mr. Wells said the following EPA guidelines.

Mr. Hilton asked if any solvents must be mixed in the batches. Mr. Wells said there are no organics which are mixed in. Mr. Wells said they dilute down to be able to move it around. Mr. Hilton said one of his concerns



about ground water contaminated. Mr. Hilton is very interested in the process Mr. Wells described. Mr. Wells said they have a whole corrosion control group to make sure tank integrity is maintained.

Mr. Vovakes asked when all the tanks will be done. Mr. Wells said the bulk salt and sludge removal will around the 2033 timeframe. Mr. Wells said SRMC is looking to accelerate the program if possible.

Mr. Murray asked how much mix changes from batch to batch. Mr. Wells said every batch is unique.

Environmental Management Systems: Ted Millings, SRNS

Ted Millings from SRNS provided a presentation on SRS Environmental Management Systems (EMS). The presentation covered an overview of 2021 EMS Triennial Audit for SRNS and SRR. The presentation showed the overview of the audit and the findings.

EMS Q&A

Mr. Malik asked about the qualifications of the auditors. Mr. Millings said the lead auditor is certified in ISO 14001.

Ms. Britt said the presentation mentioned a program with reflective roofs was not cost effective. Ms. Britt wanted to know if the program could be continued anyway. Mr. Millings was not familiar with that program.

Mr. Guille wanted to know if ISO 14001 covered document control or process controls. Mr. Millings said the document control group was interviewed but they were more concerned about the environmental side compared to the engineering side.

Ms. Ray noted the competence section mentioned programmatic requirements could be enhanced with more training. She wanted to know who would receive the training. Mr. Millings said the environmental personnel working with operations personnel.

Mr. Davis noted there was a hybrid audit done in 2021 and he asked if that was due to COVID-19. Mr. Millings said the schedule was impacted due to travel restrictions.

Mr. Budney asked if the employee suggestion program had any notable suggestions. Maatsi Ndingwan from DOE-SR said the employee suggestion program has been very beneficial. She mentioned an employee suggested using drones for disposition and decommissioning work.

Mr. Malik asked if audit group provided lines of inquiry before they started. Mr. Malik how many employees are qualified to perform ISO standard. Mr. Millings said probably a handful.

Ms. Ray read the results as SRS meets the standard but wanted to know how to exceed the standard. Mr. Budney said audits like this one says going above and beyond is a best practice.

Public Comment

Mr. Sam Booher introduced himself as a former board member. Mr. Booher mentioned wanting to take a tour at SRS to see new missions.

Justice40 Initiative Discussion

Amy Boyette recently heard some questions recently about the Justice 40 Initiative, Ms. Boyette had a brief presentation which covered the Justice40 overview, what the program means, and how board members can engage their community on the program. The Justice40 Initiative is a requirement of President Biden's Executive Order 14008, "Tackling the Climate Crisis at Home and Abroad". The program developed a climate and economic justice screening tool. People can use the tool to see disadvantaged communities. The webpage was brought up for board members to view. Mr. Budney said SRS has initiatives which fall under this as well. Ms. Boyette said more information will be provided which it is received.



Board Business: Voting on Budget Priorities Letter

The board had discussions about the draft letter. The minor edits made yesterday were accepted. Mr. Hilton motioned for a vote and Ms. Ray seconded it. The vote passed unanimously.

Closing Remarks

Mr. Murray mentioned he was looking forward to seeing all the board members at the April committee meetings.

Meeting adjourned at 3:30pm EST