

The **Board Beat Magazine**

Savannah River Site
Citizens Advisory Board
Spring 2014 Magazine

*Working Together for 20 Years to Educate and
Inform the Communities Surrounding
the Savannah River Site!*



The Savannah River Site Citizens Advisory Board is a public board and its mission is to study issues affecting the Savannah River Site in order to provide informed recommendations, from the public's perspective, to the Department of Energy concerning Environmental Management work in the areas of environmental restoration, waste management, and related activities.

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The Savannah River Site (SRS) Citizens Advisory Board (CAB) extends a big "thank you" to everyone that helped make this magazine possible. To all the CAB members who submitted ideas and articles, to all the presenters and managers who make Full Board and Committee meetings meaningful, to the Board's agency liaisons, and to the Department of Energy (DOE) for continued support, as we, the members of the SRS CAB, serve this very important role for DOE and our communities.

The *Board Beat* is published semiannually, by the SRS CAB, and distributed in November and May, primarily by email. Content is provided by Board members and the CAB Support Team. To subscribe to the *Board Beat*, submit a request, with your name and email address, to:

srscitizensadvisoryboard@srs.gov

If you're interested in learning more about what we do, or think you would like to apply for membership, please check out our website at: <http://cab.srs.gov> or "like" us on Facebook at: [facebook.com/SavannahRiverSiteCAB](https://www.facebook.com/SavannahRiverSiteCAB)

Contact us at 803-952-7884 (800-249-8155) or via email at srscitizensadvisoryboard@srs.gov

You will notice the Board Beat has graduated from "newsletter" to "magazine." With all the information we aim to squeeze into these pages, this was a natural progression. We hope you continue to support us as we grow!

Message from the Chair- Dr. Marolyn Parson



**Dr. Marolyn Parson
CAB Chair**

As I write this message, I am pleased to welcome four new members to the Board, which brings the membership to 24. Hopefully, the final open spot will be filled soon.

My top priority for the year is to keep the pressure on the Department of Energy to fully fund the high level waste program so that the underground storage tanks get closed without more delays. SRS has a proven record in treating the high level and low level waste from these tanks and closing the tanks in a safe manner. No other site within the Department of Energy complex can claim such an accomplishment. This fact was really driven home to me during a recent visit of the Hanford Site where I toured their 177 tank farm, from which not one, repeat, not one gallon of waste has been treated and put into a

vessel for disposal.

I encourage all CAB members to take advantage of any SRS tours offered. Even if you have been on the site before, each visit brings a better understanding and appreciation of the job that the dedicated workers are doing. I always come away from these tours with two very strong impressions—the safety culture that prevails and the dangerous waste and nuclear materials that reside there. Again, during my recent trip to Hanford, I learned that SRS has the largest amount of radioactivity in its waste of all of the Department of Energy sites, with Hanford being second.

Our job as a citizen's board is to provide input to the Department in the form of meaningful recommendations, so that site clean-up and storage of nuclear waste and materials is done in a manner that meets the expectations of the citizens of Georgia and South Carolina. That is my challenge to you as we begin this new term together. To meet this challenge, we each must commit the time necessary to attend all meetings, become knowledgeable on the topics, and be willing to write recommendations for Board consideration. If we each make that commitment, I know we will have a great year.

Sincerely,

Marolyn J. Parson, Ph.D.





The Site Welcomes the Newest Members of the Savannah River Site Citizens Advisory Board!



Murlene Ennis
Allendale, SC



Michael Havird
North Augusta, SC



Eleanor Hopson
Augusta, GA



Steven Vincent
North Augusta, SC

Welcome to the Board!

And says farewell to five CAB members....



Three CAB members received a certificate for their service to the CAB as they retired from the Board after six years of service in January 2014.

Pictured from left, all with Dr. David Moody, SRS Manager:
Kathe Golden, Donald Bridges, Ed Burke.

Not pictured: Artisha Bolding, and John Snedeker— two CAB members who also retired from the Board, but were not present at the meeting.

The SRS CAB Develops its 2014 Work Plan & Reviews Internal Processes

On February 19 and 20, 2014, the SRS CAB Support Team hosted a Work Plan meeting and an Education & Process Session (EPS) for all CAB members. These administrative meetings are held annually, and give the CAB members a chance to go over CAB processes and the Board's yearly work focus. This two-day meeting helps CAB members regroup, and prepare, for the year ahead.



CAB member Jessica Grainger, talks with fellow CAB member Chris Timmers during a process session.



Angelia Adams, DOE-SR and co-DDFO for the CAB, presents to the Board on its charter and mission.



Clint Nangle, CAB member and Strategic & Legacy Management Committee chair, works with Rich Olsen, DOE-SR, on the committee's 2014 Work Plan.



CAB members listen on as the CAB Support Team discusses Board processes and missions.



CAB members Ginny Jones and George Snyder work together during the process meeting.



Earl Sheppard, CAB member and new Waste Management Committee chair, discusses his committee's 2014 Work Plan with Sherri Ross, DOE-SR, Marolyn Parson, CAB Chair, and Ginny Jones, Waste Management Committee co-vice chair.

What is the CAB Working on in 2014: Check Out This Year's Work Plan

Annually, the Savannah River Site (SRS) Citizens Advisory Board (CAB), with help from the Department of Energy (DOE), puts together a Work Plan. The CAB's Work Plan consists of topics and/or activities that the CAB plans to discuss and learn more about during the course of the year. The Work Plan helps keep the Board focused so it can provide informed and timely recommendations to the DOE. CAB activities are structured to focus only on the topics identified in the annual Work Plan, so it is important for the CAB to plan out at the beginning of the year what they will focus on.

The 2014 SRS CAB Work Plan was discussed and finalized at the February 19, 2014, Work Plan meeting. Each CAB committee has its own individualized Work Plan, put together by each committee's chair.

This year's Work Plan includes the following topics:



Maxcine Maxted, DOE-SR, works with CAB members Bill Calhoun, Rose Hayes, and Chris Timmers on the 2014 Nuclear Materials Committee Work Plan.

Facilities Disposition & Site Remediation (FDSR) Committee:

- FFA Appendix E Major Proposed Changes
- Integrating Regulatory Drivers
- SRS Annual Site Environmental Report
- Savannah River Ecology Laboratory (SREL) Update
- Mixed Waste Management Facility (MWMF) Phytoremediation Project Western Expansion
- Federal/State Regulatory Oversight of Cleanup Activities
- Downstream User Protections and Communications (Panel presentation)
- Overview of Monitoring Approaches at SRS
- FFA Appendix E Projected Changes
- Annual Integrator Operable Units (IOU) Program Update
- Dunbarton Bay Remediation
- Innovative Risk Management Techniques in Environmental Remediation
- New Dispersion Model for Off-Site Doses
- Overview of Environmental Laws and Regulations at SRS

Nuclear Materials (NM) Committee:

- Nuclear Materials System Plan
- Alternative Dispositions of Nuclear Materials
- Building 235-F Update (Deactivation/cleanup)
- K-Area Update (status of Plutonium and storage)
- H-Canyon Update (Today and future)
- L-Basin Update (In's and Out's/ Foreign Research Reactor (FRR) receipts/ Disposition Options – processing or dry storage)

Strategic & Legacy Management (SLM) Committee:

- EM Performance Metrics
- Natural Resources Management Update
- Appropriations Status

Continued on next page.....



What is the CAB Working on in 2014: Check Out This Year's Work Plan

Continued from previous page...

- CAB participation with Budget Formulation for Fiscal Year (FY) 2016 Integrated Priority List (IPL)
- Update of Savannah River National Laboratory (SRNL)
- EM Integrated Lifecycle Plan
- Historical Preservation
- AMERESCO Update
- Enterprise SRS Update
- SRS Emergency Response Program
- Young Generation working in the Nuclear Industry



Angelia Adams, DOE-SR and co-DDFO for the CAB, and Tom Barnes, CAB member and new FDSR Committee chair, attending the CAB's Work Plan meeting in February.

Waste Management (WM) Committee:

- Salt Waste Processing Facility (SWPF) Project Baseline
- New Generation Solvent Operation Performance
- TRU Waste Program (including Waste Isolation Pilot Plant (WIPP) status continuously newly generated waste)
- Glass Waste Storage Building (GWSB) Program Update (including funding restraints/ impacts and comparison between drivers)
- Update on Saltstone Disposal Units (SDU) Vault #4
- Tank Closure Status
- Site Mission briefing for Nuclear Materials and Waste Management Committee

Administrative & Outreach (A&O) Committee:

- Oversee elections of the CAB chairpersons
- Track and report on member attendance
- Coordinate input to revision of Internal Processes
- Review Membership Package prepared by the DOE
- Coordinate Speakers Bureau Presentation
 - Train Speakers
 - Arrange for CAB members to be able to present
 - Coordinate Speakers Bureau Digital Video Disc (DVD)
- Coordinate Social Media for the CAB
- Solicit/Coordinate topics for the CAB's Newsletter
- Pursue other outreach ideas
- Research and coordinate a student intern program

SRS Hosts its First Community Information 'POD'

On March 27, 2014, SRS hosted its first information pod, a Site-sponsored event focusing on four SRS mission areas, at the Odell Weeks Community Center in Aiken, South Carolina. This pod was attended by several participants residing in the Central Savannah River Area.

The March 27 information pod began with a poster session, where participants were able to learn more about SRS programs by talking to program liaisons. After the poster session, there were four mission-specific presentations covering the following topics: Nuclear Materials Management, Waste Management, Environmental Monitoring and Restoration, and the Savannah River National Laboratory. Participants were asked to choose two presentations, in order of preference, to view.

The first SRS information pod was very successful, and more are being planned for the future. For more information, check out the SRS website at: www.srs.gov



Pictured above from left: Two participants sign in for the first SRS information pod, Mindy Mets, of the SRS Community Reuse Organization, speaks to community members during the poster session, and participants listen on to a SRS presentation.

SRS CAB Hosts Panel Presentation from the Younger Generation at SRS

The CAB has long been interested in SRS's workforce, specifically the generation of workers that will usher in the next wave of clean-up. Due to that interest, the CAB's Strategic & Legacy Management (SLM) committee added a presentation covering younger generation workers at SRS to its 2014 Work Plan, and invited a panel group of such workers to the CAB's March Full Board meeting.

The Young Generation panelists spoke to the CAB from the perspective of each worker based on his or her work at SRS. There was a presenter from the Department of Energy, the Savannah River National Laboratory, the Savannah River Ecology Laboratory, Savannah River Nuclear Solutions, and Savannah River Remediation.

CAB members were very impressed with this new, young crop of workers, and looks forward to hearing more from them in the future.



The SRS Young Generation Panelists spoke to the SRS CAB at its March 2014 Full Board meeting in Augusta, GA. Each speaker represented a different aspect of the Site.

The National Academies of Science Workshop: Risk-Informed Decision-Making Processes for Contaminated Sites

By: Marolyn Parson
CAB Chair



**Dr. Marolyn Parson
CAB Chair**

In January 2014 I had the opportunity to participate in a two-day workshop sponsored by the Department of Energy that was conducted by The National Academies of Science in Washington, DC.

Participants included scientists, engineers, professors, health professionals, federal and state environmental regulators, and Department of Energy staff who have been involved with cleaning up one of the Environmental Management sites contaminated by decades of legacy nuclear weapons development. I was one of two participants representing citizens who have experience with providing input to the Department of Energy on site clean-up decisions.

The workshop focused on the following topics:

1. Promotion of effective and efficient risk-informed decision making,
2. Approaches for assessing long-term performance of site remedies and closures,
3. Effective post-closure controls and the assessment of long-term stewardship options, and
4. Identification of best practices for improving remediation/closure/post-closure of challenging sites.
 - a. One of the best practices that received praise was the Savannah River Site's Core Team (Department of Energy, US Environmental Protection Agency & SC Department of Health and Environmental Control) approach to cleanup.

While the report from the workshop is not expected to be published until June, the following themes were supported by many of the participants:

- ♦ Common sense decisions of risk assessments need to be used;
- ♦ Regulatory flexibility should be sought;
- ♦ Sustainability in decision-making is sensible: economics, ecology, society.
- ♦ Layer upon layer of conservatism leads to decisions that don't help the clean-up process; and
- ♦ Clean-up decisions need to be stakeholder driven.

The SRS CAB Has Gone Green!



Please help the Savannah Rive Site (SRS) Citizens Advisory Board (CAB) "Go Green" by sending us your email address to add to our CAB database. By receiving email notifications, rather than paper notifications, you will be reducing the CAB's environmental footprint, and helping to save a tree! Just send us your name, email address and the mailing address currently in our database to:

srscitizensadvisoryboard@srs.gov

Not currently on the CAB's distribution? Send us your email address and we will add you to our list of community citizens that receive routine updates on the CAB that include newsletters, CAB Recommendations, DOE Responses, and more.

SRNL Unveils New Website



The new website features Technology Opportunities, detailed information on each Directorate, and interesting features on how SRNL is breaking new ground with National Security, Environmental Stewardship, and Clean Energy. This is one more way to proudly demonstrate the high caliber work being performed at SRNL.

The website can be accessed at <http://www.srs.gov/general/srnl/index.html>

Savannah River Remediation & Savannah River Nuclear Solutions Help the Waste Isolation Pilot Plant with Recovery Efforts



Teresa Feagin (right), SRR training employee, is conducting a breathing air compressor training for a WIPP mechanic (left).

Fifteen Waste Isolation Pilot Plant (WIPP) employees were at SRS last month to receive specialized training required for safely supporting recovery operations from a February 14, 2014 radiological release event at the Carlsbad, NM, site. The workers came to SRS to primarily learn the proper usage of plastic suits and radiological containments, as well as the usage of the breathing air compressors required for the suits.

"The teamwork demonstrated by the SRNS Site Training and SRR Training staffs was key to efficiently maximizing the instruction provided over that four day period", said Charles Lampley, SRR Training Manager. "The great attitudes and inquisitiveness of the WIPP group also helped ensure the success of this initiative. They left here better prepared for a changed workplace."

Besides the training, SRR has sent numerous personnel and equipment to the Carlsbad, NM, site since the radiological release to assist with the recovery efforts.

SRS Public Tours Program

In 2014, Savannah River Nuclear Solutions, LLC will once again offer a limited number of Savannah River Site (SRS) tours for the general public.

Twenty-two general site driving tours of SRS are being offered to the public in 2014, providing openings for approximately 1,100 people to visit the site. Tour check-in begins at 12:30 p.m., at the Aiken County, S.C., Applied Research Center, (located off Highway 278), near the northern boundary of the site. Guests will be given an overview presentation safety briefing, tour of the Savannah River Ecology Laboratory (SREL) and general driving tour of the site. The tour will conclude at approximately 4:30pm.

Site tours provide an opportunity for those interested in SRS to better understand the Department of Energy's facilities and workers that changed the face of Aiken, Barnwell and Allendale Counties, nearby cities and helped win the Cold War. Guests will also learn about facilities supporting future missions of the Savannah River Site.

All tours are free of charge and each will accommodate 50 participants. Tour participants must be 18 years of age or older and must be U.S. Citizens. Two forms of identification are required at check-in the day of the tour. If no internet access is available, individuals may call 803-952-8994 for assistance.

Seats are limited to two individuals per reservation, and participants may reserve only one tour date per year. Seats are filled on a first-come, first-served basis.

Upcoming SRS public tour dates for 2014:

- | | |
|-------------------|----------------------|
| - June 3, 2014 | - September 9, 2014 |
| - June 17, 2014 | - September 18, 2014 |
| - July 8, 2014 | - October 7, 2014 |
| - July 24, 2014 | - October 23, 2014 |
| - August 5, 2014 | - November 11, 2014 |
| - August 21, 2014 | - December 9, 2014 |



Join us for a SRS CAB Committee Meeting in 2014!

All committee meetings are held on Tuesday evenings, unless otherwise stated. And are hosted at the DOE Meeting Center in Aiken, SC.

The DOE Meeting Center is located at:
230 Village Green Blvd.,
Suite 220
Aiken, SC 29803

Directions to this facility can be found on the CAB's website at: cab.srs.gov

Upcoming CAB committee meetings:

June 10: Waste Management– 4:30-6:20 p.m.
Nuclear Materials– 6:30-8:20 p.m.

June 23: Strategic & Legacy Management– 4:30-6:20 p.m.
Facilities Disposition & Site Remediation– 6:30-8:20 p.m.
**June 23 is a Monday*

Aug. 12: Waste Management– 4:30-6:20 p.m.
Nuclear Materials– 6:30-8:20 p.m.

Aug. 26: Strategic & Legacy Management– 4:30-6:20 p.m.
Facilities Disposition & Site Remediation– 6:30-8:20 p.m.

Oct. 7: Waste Management– 4:30-6:20 p.m.
Nuclear Materials– 6:30-8:20 p.m.

Oct. 21: Strategic & Legacy Management– 4:30-6:20 p.m.
Facilities Disposition & Site Remediation– 6:30-8:20 p.m.

Dec. 2: Waste Management– 4:30-6:20 p.m.
Nuclear Materials– 6:30-8:20 p.m.

Dec. 8: Strategic & Legacy Management– 4:30-6:20 p.m.
Facilities Disposition & Site Remediation– 6:30-8:20 p.m.
**Dec. 8 is a Monday*

Can't make it to a committee meeting in person? Consider joining us online in real time! For more details, please visit the CAB's website:
cab.srs.gov



Sean Hayes
Georgia Department of
Natural Resources
(GADNR)



Mr. Sean Hayes met with the CAB for its March Full Board meeting as a liaison for GADNR, representing Georgia and its interests concerning SRS.

The CAB has lacked a representative from Georgia for approximately three years, so Mr. Hayes was a welcome sight and addition to the CAB table.

The CAB looks forward to speaking with Mr. Hayes at future meetings, and hearing what input GADNR has for SRS and the CAB.

Upcoming: CAB Full Board Meetings

July 21-22: Doubletree Hotel
2651 Perimeter Pkwy
Augusta, GA 30909

Sept. 22-23: Holiday Inn
2225 Boundary Street
Beaufort, SC 29902

Nov. 17-18: Snelling Conference Center
3165 Washington Road
Augusta, GA 30907

CAB Meeting Schedules can always be found online at cab.srs.gov



Take a Look: Full Board Meetings



Dr. David Moody, SRS Manager, gives an update to the CAB members and attending public at a recent CAB Full Board meeting.



Ed Burke and Donald N. Bridges take a moment to chat at the end of their last CAB meeting as Board members. Both Ed and Donald served on the CAB for six years.



Louis Walters, CAB member, looks on at a CAB monitor during a Full Board meeting. These monitors, used in Full Board meetings, allow the CAB to go virtually paperless.



Rose Hayes and Kathe Golden share a laugh at the end of Ms. Golden's last CAB meeting as a Board member. Ms. Golden served on the CAB for six years.



Pamela Marks, DOE-SR, gives a presentation on the Salt Waste Processing Facility Baseline.



Harold Simon, CAB Vice Chair, makes a comment as Marolyn Parson, CAB Chair, looks on.



Sandra Waisley, DOE-SR, serves as a co-DDFO at CAB meetings.



Doug Hintze, DOE-SR, answers a CAB member's question during a Full Board meeting.

Take a Look: Full Board Meetings



Amy Meyer, SRNS, updates the CAB on the Annual Site Environmental Report. This update is given every year.



Earl Sheppard, CAB Waste Management committee chair, and Louis Walters, co-Vice Waste Management committee chair, listen closely to a CAB presentation.



Nina Spinelli, CAB Administrative & Outreach Committee chair, and Rose Hayes, CAB Nuclear Materials Committee chair, make comments during a recent CAB meeting.



William Rhoten, CAB member, asks a question during a CAB presentation.



Eleanor Hopson and Michael Havird, both new CAB members, take a few moments to introduce themselves at the March 2014 Full Board meeting. This meeting was their first meeting as CAB members.

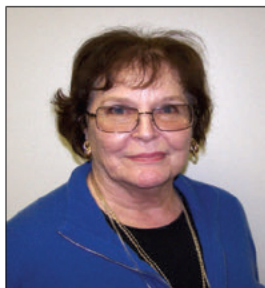


Linda Suttora, DOE-HQ, traveled to Augusta from Washington, DC to present at a recent CAB meeting.

A CAB Member Expresses Her Concerns to the DNFSB

Written by: Dr. Rose Hayes, CAB Member and Chair of the Nuclear Materials Committee

Dr. Rose Hayes spoke with the Defense Nuclear Facilities Safety Board (DNFSB) in February 2014 after the DNFSB contacted the Savannah River Site (SRS) Citizens Advisory Board (CAB) to offer members an opportunity to speak with them. Below is Dr. Hayes' report of her talk with the members of the DNFSB, and reflects her personal views and opinions.



Dr. Rose Hayes,
CAB Member

In my presentation to the DNFSB, I reviewed the history of U.S. failures to develop a deep geologic repository, beginning with the Carey Salt Mine of Lyons, KS in the 1960s, the Yucca Mountain in NV, and the anticipated repository that will not be made available until at least the year 2048. Problematic issues that were encountered in failing to develop these sites included ignorance of the Kansas subsurface geology causing aquatic invasion and traumatic subsidence. Public opinion also became a factor in the cancellation of the Kansas salt bed repository plan. Politics trumped science when the current administration withdrew funding for the licensing of Yucca Mountain and the nearly complete site was closed to receipt of the nation's nuclear waste material. Earth scientists have concluded that the repository concept is inappropriate for storage of nuclear waste because a repository is essentially an "open system" of energy and matter that is continuously interacting and changing and cannot, therefore, be predicted or controlled. Social

scientists point out that no social organization intended to monitor and maintain such repositories has ever lasted for the period of time it would take high-level nuclear waste to stabilize to levels safe for human exposure. In contrast to the radioactive life of nuclear waste materials, such social organizations cannot be engineered to last for tens, tens of thousands, or even a million years. Throughout human history, the high civilizations that built complex deep geologic repositories for the perpetual preservation of valued materials have either evolved or devolved within a few thousand years. The repositories were invariably invaded, raided, and damaged by succeeding generations. Many nuclear physicists, chemists, and engineers argue that, rather than relying on permanently and unpredictable geological storage, technological advances should be researched and developed which can reduce the volume, radioactive level, and half-life of nuclear waste materials. Although not available on an industrial application level, such technologies are being developed in university laboratories across the globe.

Another area of concern with respect to the current 2013 DOE Strategy for development of a repository is the consent-based requirement. DOE has failed to define what consent-based will entail but the U.S. has experienced failure when attempting to utilize that concept in the past. The Nuclear Negotiator Office, 1989-1994, failed to recruit such lower socioeconomic communities as American Indian reservations to accept nuclear waste for storage in exchange for financial remuneration. The Kansas salt bed repository plan and the Yucca Mountain project were defeated, in part, due to public objection. DOE has indicated that there are examples of successful application of the consent-based concept in other countries. Presumably, they are referring to the Korean example whereby that government successfully offered high financial incentives to poor rural communities to become nuclear waste sites. It is doubtful that such an approach will succeed in America, given the socioeconomic and sociopolitical differences between the U.S. and poorer developing countries like Korea. Compounding the prospect of successfully implementing consent-based sites is also the need in America to find common ground with state governments for such programs.

Finally, reliance on a national repository that will not be made available for an additional 35 years is a plan fraught with possibilities. To name a few, there will be a possible eight changes in administrations, more changes in political control of Congress and the associated budget calls and appropriations, continuing failures of the aging equipment and systems now housing the Atomic and Cold War waste, and increasing inventories of spent nuclear fuel at aging reactor sites. Any or all of these possibilities can readily change the landscape of government repository planning.

In conclusion, the present DOE approach to high-level nuclear waste and spent nuclear fuel management is based on past failures and ignores sound science. The focus of such planning should be on the research and development of advanced technologies which can reduce the waste to insignificant levels of radioactive threats to the environment and human safety and health.

The Savannah River National Laboratory (SRNL) Hosts 10th Anniversary Celebration on Wednesday, April 23rd, 2014

By: Bob Doerr
CAB Member

Clint Nangle and I had the honor to represent the SRS CAB at the recent celebration of the Savannah River Laboratory's 10th year as a National Lab. SRNL has provided more than 60 years of dedicated service to our country going all the way back to the creation of the Savannah River Site in the 1950's.

During a Public Ceremony at 11:00am, the speakers at this festive celebration included US Senators Lindsay Graham and Tim Scott, and US Congressman Joe Wilson. The celebration started at 9:30am with opening remarks by SRNL Director Terry Michalske, and SRS Manager Dr. David Moody who introduced a Panel of speakers representing the US Department of Energy Environmental Management, USC Aiken, the Aiken Chamber of Commerce, South Carolina State Government and past SRNL Director, Dr. Wood. The panel discussion emphasized the importance of the SRNL to engineering education in SC and throughout the country and the economic significance of the SRNL to SC and the Aiken Community.

During the public ceremony, Senator Graham first spoke about recent SRNL accomplishments which included the Lab's work as an advisor to the FBI as a forensic lab, and hydrogen development as an alternative energy source for transportation in the US.

Senator Graham also noted the SRNL's significant role in protecting the US during the Cold War and said now SRNL is economically self-sustaining during difficult budget times for the US Government. Senator Graham also noted SRNL's contributions to US Homeland Security and innovations at SRNL that have lowered the cost of Environmental Management to the US Government and the US taxpayers. Senator Scott noted that SRNL is a place that encourages students to observe and learn from SRNL employees. Congressman Wilson noted that SRNL is a test bed of innovation for new and established industries here in the US and throughout the world.

I came away from the day very impressed at the sincere respect and esteem that SRNL has within the state of SC, the Aiken Community and the US Government. The employees of SRNL enjoyed a wonderful lunch topped off with a celebration cake. Clint and I also enjoyed meeting with some of the employees of SRNL.

Good luck to the SRNL for the future! Here's wishing many more years of productive contributions to industry and government in the US and the world.



Dr. David Moody, Site Manager, addresses the audience at the April 23 Savannah River National Laboratory celebration at Savannah River Site.



Leaders from the Savannah River Site, and the surrounding communities, gather to congratulate SRNL on its 10th year anniversary.

SRS CAB Recommendations Adopted Since November 2013

Check out
cab.srs.gov for more
CAB
recommendations!

Recommendation #316:

SRNL Future Planning

Adopted: November 19, 2013

Status: Closed

The CAB recommends that the SRNL:

1. Develop a "Plan of Conceptual Ideas ("thinking outside the box") for areas that expand the role of the Lab and describe how some of these ideas and plans could be further developed.
2. Review some of the other National Laboratories (INL, LLNL, LANL) future planning for ideas and concepts that may be useful in further defining an enhanced SRNL role.
3. Present such a plan to HQ Environmental Management and other program offices such Nuclear Energy and Science for guidance and feasibility.
4. Advise the CAB of your present plans for increased funding and new missions.
5. Start a public outreach initiative, to include educational institutions (elementary through university level), to publicize their historical achievements, patents, national research & development awards, and accomplishments to reduce the current and future costs of Environmental Management operations at SRS.

See the entire recommendation, and DOE's response, at cab.srs.gov!

Recommendation # 317:

Fund an Independent Environmental Monitoring Program in Georgia

Adopted: January 27, 2014

Status: Open

The Savannah River Site Citizens Advisory Board recommends that the Department of Energy:

1. Initiate conversations with the State of Georgia for the purpose of funding an environmental monitoring program similar to the Environmental Surveillance and Oversight Program funded in South Carolina.
2. Initiate such conversations with the State of Georgia no later than April 1, 2014, with a goal of phasing in an independent environmental monitoring program no later than 2016.

See the entire recommendation, and DOE's response, at cab.srs.gov!

Recommendation # 318:

Technology of Groundwater Cleanup

Adopted: January 27, 2014

Status: Open

The SRS CAB recommends that the Department of Energy:

1. Assess the groundwater cleanup program with the idea in mind of determining if there are elements of the SRS groundwater cleanup program that would be useful to other DOE sites and industrial sites.
2. Develop a program for potentially assisting and advising other DOE sites of our experience and capabilities, as well as appropriate media outlets.

See the entire recommendation, and DOE's response, at cab.srs.gov!

What is the Waste Isolation Pilot Plant (WIPP)?

Originally posted on www.wipp.energy.gov



A group of CAB members touring WIPP more than six years ago.

The U.S. Department of Energy's (DOE) Waste Isolation Pilot Plant (WIPP) is a deep geologic repository for permanent disposal of a specific type of waste that is the byproduct of the nation's nuclear defense program.

WIPP is the nation's only repository for the disposal of nuclear waste known as transuranic, or TRU, waste. It consists of clothing, tools, rags, residues, debris, soil and other items contaminated with small amounts of plutonium and other man-made radioactive elements. Disposal of transuranic waste is critical to the cleanup of Cold War nuclear production sites. Waste from DOE sites around the country is sent to WIPP for permanent disposal.

TRU waste is categorized as "contact-handled" or "remote-handled" based on the amount of radiation dose measured at the surface of the waste container. Contact-

handled waste has a radiation dose rate not greater than 200 millirem (mrem) per hour, while remote-handled waste can have a dose rate up to 1,000 rem per hour. About 96 percent of the waste to be disposed at WIPP is contact-handled.

TRU waste is long-lived and has to be isolated to protect public health and the environment. Deep geologic disposal in salt beds was chosen because the salt is free of flowing water, easily mined, impermeable and geologically stable. Salt rock also naturally seals fractures and closes openings.

The WIPP site, located in southeast New Mexico about 26 miles from Carlsbad, was constructed in the 1980s for disposal of defense-generated TRU waste. The underground repository is carved out of a 2,000-foot-thick salt bed formed 250 million years ago. TRU waste is disposed of 2,150-feet underground in rooms mined from the salt bed.

WIPP has been disposing of legacy TRU waste since 1999, cleaning up 22 generator sites nationwide.

As the result of the February 5 vehicle fire and the February 14 radiological release, the WIPP repository is shut down and is not accepting any waste shipments. Please check www.wipp.energy.gov for updates and a path forward.

Update on the Waste Isolation Pilot Plant (WIPP)

Originally posted on www.wipp.energy.gov

The below release was posted on April 30, 2014

WIPP conducts re-entry today

During last week's entry, teams confirmed that Room 7 was the source of the radiological event and determined contamination levels. Today, teams entered the WIPP underground facility to conduct additional investigations in Room 7 of Panel 7.

Teams were able to stay in the underground facility longer than they did last week. Cameras with telescopic extensions allowed for better visibility deeper into the room as workers aim to get visuals that will help determine the exact location of the radiation event. DOE and Nuclear Waste Partnership will know more once the information gathered today has been fully reviewed.

Community meetings on WIPP have been scheduled by the City of Carlsbad and the Department of Energy, starting on May 1. Live streaming of the weekly meetings can be seen at:

<http://new.livestream.com/rvv/>

SRS CAB Chair and Vice Chair Attend the April 2014 EMSSAB Meeting in Washington



The EMSSAB Chairs met in Pasco, Washington, on April 22-24. EMSSAB Chairs worked on two recommendations to take back to their Boards for a vote.

The Savannah River Site (SRS) Citizens Advisory Board (CAB) is a part of the Environmental Management Site Specific Advisory Board (EMSSAB), a stakeholder board that provides the Assistant Secretary for Environmental Management (EM) and designees with advice, information, and recommendations on issues affecting EM programs at various sites. The SRS CAB is one of eight boards, each representing a different EM site throughout the country, and all of which combine to serve as one board under EM.

All of the boards meet twice a year, in spring and fall, to discuss cross-cutting issues, to receive EM program updates, and to share topics, activities, and accomplishments with each other. The most recent meeting was held in Pasco, Washington, on April 22-24, and was hosted by the Hanford

Advisory Board. The CAB's chair, Marolyn Parson, and Vice Chair, Harold Simon, attended the meeting in support of the SRS CAB.

The first day, April 22, consisted of a tour of the Hanford Site. The second day, April 23, began with a meeting. The day's agenda included welcomes and opening remarks from Dave Borak, EM SSAB Designated federal Officer, Matt McCormick, DOE-RL Manager, JD Dowell, Deputy DOE-ORP Manager, Jane Hedges, Washington State Department of Ecology, and Dennis Faulk, U.S. Environmental Protection Agency. After the morning's welcome, there was an overview of the EM Program by Jack Craig, Acting Associate Principal Deputy Assistant Secretary, a Board Chairs' "round robin" where each site highlighted its activities and accomplishments, a WIPP update, and a discussion on how to attract more people to DOE advisory board meetings. The day wrapped up with a Chairs' discussion on cross-complex issues, and a work session on a draft recommendation.



EMSSAB Chairs discuss issues and accomplishments that are occurring at their respective sites. There are eight EMSSABs within the DOE complex.

The final day of the meetings, April 23, opened with an update by Mr. Borak, and then went into a groundwater demonstration. There was more work done on the Chairs' draft recommendations, totaling two to bring back to the other EMSSAB members for a vote.

The next EMSSAB meeting will take place in September or October of 2014 in Idaho. The SRS CAB will host its own EMSSAB meeting in spring of 2015.

SRS CAB Support Team Hosts a Google Hangouts Tutorial to Assist with Online Meeting Understanding

The SRS CAB has been utilizing online meetings for its committee meetings for many years now, but only started using Google Hangouts to host its online meetings in 2012. Google Hangouts is an unified communications service that allows members to participate in text, voice, or video chats, either one-on-one or in a group. Google Hangouts are built into Google+, a social media platform, and Gmail.

Google Hangouts allows the CAB to broadcast all of its committee meetings live. CAB members, or members of the public, can attend these meetings and participate in real time. In order to assist everyone in fully understanding Google Hangouts, the CAB Support Team has hosted two mass tutorial sessions for anyone who is interested. The CAB Support Team's last open tutorial session was held on April 3. Many CAB members, public participants, agency liaisons, and Site employees took advantage of the tutorial, and learned how easy Google Hangouts is to use.



CAB Support Team members working on the first Google Hangouts Tutorial.

The CAB Support Team is happy to provide a Google Hangouts tutorial to anyone who is interested. If you think attending committee meetings online would work for you, let us know, and we will help you sign on with ease.

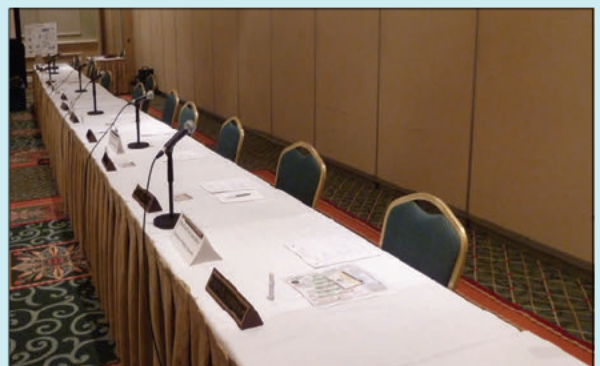
For more information, or to view any of our previously recorded committee meetings, please visit the CAB's website at cab.srs.gov

We hope to see you online at the next CAB committee meeting!

The SRS CAB is always looking for new members to join the Board!

Do you live in an area affected by cleanup activities at SRS? Would you be interested in learning about SRS and working as a team to help inform local communities? If the answer is "yes," you would be perfect for the SRS Citizens Advisory Board. We are currently recruiting new members to the CAB for the 2015-2017 term.

Please fill out an application at
<http://cab.srs.gov>
You can email us at:
srscitizensadvisoryboard@srs.gov
Or you can give us a call at :
803-952-7884 or (800-249-8155)



As a CAB member, one of these seats could be yours at CAB Full Board Meetings. Join us and have a seat!

**Like the CAB
on Facebook!**

Check us out online!

Everything you need to help you understand the issues being reviewed by the SRS CAB can be found on the Board's website:

cab.srs.gov

The CAB's website has copies of recommendations, DOE correspondence, dates of SRS tours, CAB biographies, meeting schedules, position statements, and more.

Like the CAB
on Facebook!
[facebook.com/
SavannahRiverSiteCAB](https://facebook.com/SavannahRiverSiteCAB)

Savannah River Site Citizens Advisory Board

Key criteria for Board membership includes a time commitment and the willingness to study the issues and work toward clear, implementable recommendations.

To apply for membership to the Citizens Advisory Board, please call 1-800-249-8155, or visit the CAB website and complete an application at:

cab.srs.gov

Please call, mail, fax, or email your comments and suggestions to:

Gerri Flemming
Lead Federal Coordinator
SRS Citizens Advisory Board
P.O. Box A
Building 730-B, Room 1184
Aiken, SC 29802
Phone: 1-800-249-8155
Local: 803-952-7884
Fax: 803-952-9228
Email:
srscitizensadvisoryboard@srs.gov



Stay Informed With Online Meetings!

With online meetings, we can reach a larger audience.



Online meetings are a viable option for you when coming in person to a meeting is not possible. Just go to the CAB's website, click on "Meeting Recordings," find the appropriate meeting date and join us.

Visit the CAB online at: cab.srs.gov

Call us at 803-952-7884
(800-249-8155) for more information!