



Board Beat Newsletter

SPRING / SUMMER 2015 ISSUE

A Message from the Chair

By Harold F. Simon, SRS CAB Chair



I would like to begin by welcoming eight new members to the Savannah River Site (SRS) Citizens Advisory Board (CAB). A listing of the new members appointed to the Board in 2015 is provided in this issue. The SRS CAB is one of eight Environmental Management Site Specific Advisory Boards across the Department of Energy (DOE) Complex.

I would like to thank the following agencies, organizations and staff for their excellent support to the SRS CAB. They have been gracious with their time and technical expertise by providing numerous presentations in support of our Annual Work Plan and the CAB's mission:

Department of Energy (DOE), Savannah River Site leadership and staff, contractors leadership and staff, Environmental Protection Agency (EPA) Region 4, South Carolina Department of Health and Environmental Control (SCDHEC);

Members of the surrounding communities who attend our board meetings and share their concerns on the impact of nuclear materials and radioactive waste stored at SRS and the effect on their community and the environment.

Members of the SRS CAB Support Staff for their vital role in support of the CAB. I look forward to their continued support as we move ahead.

Mission and Scope: At the request of the Assistant Secretary or the Field Manager, the Board may provide advice, and recommendations to the DOE EM concerning the following Environmental Management site specific issues: clean-up standards and environmental restoration; waste management and disposition; stabilization and disposition of non-stockpile nuclear materials; excess facilities; future land use and long term stewardship; risk assessment and management; and clean-up science and technology activities.

The SRS CAB is responsible for studying the issues at SRS and providing substantive, informed and timely recommendations, reflecting the public's perspective, to the Department of Energy concerning Environmental Management cleanup work at SRS and related activities.

(Continued on page 2)

INSIDE THIS ISSUE:

2015 Work Plan	3
EMSSAB Chairs Meeting	6
Farewell to Dr. David Moody	8
Recommendations	10
WM Symposium	11
New CAB Members	12
New Site Manager Jack R. Craig, Jr.	13
Committee Meeting Schedule	14
Full Board Meeting Schedule	15

A Message from the Chair

(Continued from page 1)

Organizational Structure: In order to execute its mission, the CAB has twenty-five members and six committees as follows: Executive Committee; Administrative and Outreach Committee; Facilities Disposition & Site Remediation Committee; Nuclear Materials Committee; Strategic and Legacy Management Committee; and the Waste Management Committee. The Board has delegated recommendation writing authority to the four issues-based committees that focus on various topics within the scope of the Environmental Management mission at SRS.

Priorities: The Board will focus on the following priorities in 2015 and beyond: safety; environmental management cleanup mission and scope; high level radioactive liquid waste treatment program; remediation and reuse of land to accommodate future missions; soil and ground water contamination; the selection and implementation of a permanent geological repository to dispose of the high level radioactive liquid waste currently stored at SRS; and implementation of a comprehensive training and development program for Board members. This program will also be used to support our outreach program to educate members of the surrounding communities.

The CAB will also focus on stakeholder concerns: our major stakeholders are: Environmental Management; DOE; SRS Manager; and members of the surrounding communities.

The high level liquid waste management program at SRS continues to be one of the Board's highest priorities. The budget request for future years must reflect this priority in order for SRS to fulfill its site treatment plan, and achieve its regulatory milestones in compliance with all State and Federal agreements by 2028. The Board will continue to focus on the Site safety procedures and emergency preparedness practices to maintain a safe and compliant environment at SRS for employees and residents of the surrounding communities.

To the members of the Savannah River Site Citizens Advisory Board: we have a unique opportunity to provide substantive advice and recommendations on behalf of the public to the Department of Energy, Environmental Management. Our advice and recommendations must reflect their concerns in regards to the impact of the critical clean-up activities at SRS on the environment and the community. I challenge each member of the Board to be fully engaged with your committees as we address the public's concerns and work diligently to fulfill the scope of our environmental management clean-up mission.

Sincerely,



What The CAB Is Working On: 2015 Work Plan

We, the 25 members of the Savannah River Site Citizens Advisory Board (CAB), are pleased with having developed this 2015 Work Plan to help us keep focused during the year as we provide informed and timely recommendations at the request of the United States Department of Energy, through the Savannah River Operations Office. We are looking forward to a busy year of receiving information and making recommendations.

Our recommendations fall in the areas of environmental restoration, waste management, and related activities. Each January, Department of Energy-Savannah River presents a list of planned and ongoing activities at Savannah River Site that assists us in identifying issues and topics that are of particular interest to the CAB and will be considered as a request for public advice during the current calendar year. From this list, we developed the 2015 Work Plan as a tool to help us target appropriate topics for each of our four issues-based committees:

- Facilities Disposition and Site Remediation
- Nuclear Materials
- Strategic and Legacy Management
- Waste Management

We invite members of the public to meet with us at our scheduled committee meetings and assist us as we review the topics in our 2015 Work Plan.

Facilities Disposition and Site Remediation Committee

The Facilities Disposition and Site Remediation (FD&SR) Committee addresses the remediation of contaminated soil, groundwater, and surface water. The FD&SR Committee deals with issues related to the Federal Facility Agreement, risk management/assessment, the regulatory process, and other cross-cutting issues pertaining to environmental restoration. The FD&SR Committee also follows deactivation and decommissioning actions taken to reduce risk and costs following shutdown of excess industrial, radioactive, and nuclear facilities. Topics under consideration for the FD&SR Committee in 2015 include:

- Annual Integrator Operable Unit Program Update
- Final Approved Federal Facility Agreement Appendix E
- Savannah River Ecology Laboratory Update

- Federal / State Regulatory Oversight of Cleanup Activities
- Savannah River Site Annual Site Environmental Report
- D - Area Ash Project Innovative Environmental Remediation Technologies

Nuclear Materials Committee

The Nuclear Materials (NM) Committee was established to study issues that involve nuclear materials (generally uranium and plutonium) that have an impact on present or future Savannah River Site activities. Issues include used nuclear fuel program activities (foreign and domestic), nuclear materials management, and nuclear materials integration. The NM Committee addresses consolidation, storage, and disposition issues related to legacy materials that were once part of the nuclear weapons production cycle. The NM Committee also studies issues related to the receipt and storage of foreign research reactor spent nuclear fuel. Topics under consideration for the NM Committee in 2015 include:

(Continued on page 4)

(Continued from page 3)

- **Nuclear Material Receipt and Storage**
- **L-Basin Capacity Update including Projected Foreign Research Reactor/Domestic Research Reactor receipts for the next year**
- **K-Area Status Update**
- **Nuclear Material Reuse and Disposition**
- **Update on H-Canyon Missions**
- **Processing Status and Update**
- **Strategic Initiatives and Policy Discussions**
- **Nuclear Materials System Plan**
- **Building 235-F Status Update**

Strategic and Legacy Management Committee

The Strategic and Legacy Management (S&LM) Committee is involved in strategic issues relevant to the Environmental Management clean-up program at Savannah River Site. This includes performance assessments as well as long-term policy, planning and cross-cutting issues related to other CAB committees. Specific areas of interest are development and deployment of technology, the Department of Energy–Savannah River budget decision-making process, future land use and relevant national environmental policy. The S&LM Committee encourages other CAB committees to integrate long-term stewardship into issue deliberations and CAB recommendations. Topics under consideration for the S&LM Committee in 2015 include:

- **Planning and Execution Updates**
- **Environmental Management Integrated Lifecycle Plan for Cleanup Program**
- **Current Status of Environmental Management Performance Metrics Fiscal Year 2015 Targets**
- **Enterprise SRS Status Update**
- **Budget Request and Congressional Funding**
- **Appropriations Status**
- **CAB participation with Fiscal Year 2017 Project Prioritization**
- **Savannah River Site Natural Resources Management Update – United States Forest Service**
- **Historical Preservation Update**
- **Next Generation working in the Nuclear Industry**
- **Savannah River National Laboratory Annual Update**
- **Land Use at Savannah River Site**
- **Savannah River Site Land Use Policy and Planning Assumptions**
- **Department of Energy / Military Partnerships at Savannah River Site**
- **Community Reuse Organization Update**
- **Response to CAB Recommendation 323 (Safety Procedures & Emergency Preparedness)**
- **Small and Minority Owned Business Engagement at Savannah River Site**

Waste Management Committee

The **Waste Management (WM) Committee** reviews the management, treatment, storage and disposition of radioactive wastes, including transuranic waste, low-level waste, mixed low-level waste and radioactive liquid waste and provides advice and recommendations to Department of Energy on these activities. Principal goals of the **WM Committee** are: to see (1) a trend of reduction in risk to the public, workers, and the environment posed by these wastes, and (2) integrated and comprehensive systems approaches used in weighing Savannah River Site waste management and disposition options. Topics under consideration for the **WM Committee** in 2015 include:

- **Solid Waste**
 - **Solid Waste Program Update**
- **Liquid Waste**
 - **Liquid Waste System Overview**
 - **Liquid Waste System Plan Revision 20**
 - * **Key inputs and assumptions**
 - * **Revision 20 Overview**
- **Defense Waste Processing Facility Performance Status**
- **Glass Waste Storage Status**
 - **Canister Double Stacking Effort**
- **Tank Closure Status**
 - **Closure progress on High Level Waste tanks 12 and 16**
- **Salt Waste Processing Status**
- **Actinide Removal Process / Modular Caustic Side Solvent Extraction Unit Operating Performance**
 - **Saltstone Disposal Unit 6 Construction Progress**
- **Salt Waste Processing Facility Project Status**



SR Hosts EMSSAB Chairs Meeting

Nina Spinelli, Vice Chair SRS CAB

Augusta, Georgia served as home for the Department of Energy's bi-annual National Environmental Management Site-Specific Advisory Board (EMSSAB) Chairs Meeting on April 21-23, 2015.

The meeting kicked off on Tuesday, April 21st, with a tour of the Savannah River Site. The tour included an overview of Savannah River National Laboratory's support of the National Nuclear Security Administration initiatives, and the Environmental Management (EM) mission at the Site; followed by a brief tour of F-Canyon, Mixed Oxide Fuel Fabrication Facility, H-Tank Farm, Defense Waste Processing Facility (DWPF); and finally, a rousing presentation at everyone's favorite stop, Savannah River Ecology Laboratory for an up-close and personal look at the various critters found at the Site.

Day two began the official meeting when the Board was welcomed to the city by Mayor Hardie Davis, Jr., a former SRS employee. After which, Terry Spears, Deputy Manager, Savannah River Site and David Borak, EM SSAB Designated Federal Official, made remarks on the purpose and significance of the meeting.

The Board was given an update on the EM Program by Mark Whitney, Acting Assistant Secretary for Environmental Management and an overview on the Safety Culture by Julie Goeckner, Senior Advisor for Nuclear Safety Culture.

Accomplishments of each EMSSAB were highlighted, including the Savannah River Site's proposed online training program, and the 10 million pounds of radioactive glass produced at the DWFP since operations began in 1996. Other Site's accomplishments noted the reindustrialization at the East Tennessee Technology Park, and the Hanford Advisory Board's (HAB) implementation of board diversity, increased public interest in board activities, and receipt of an adequate budget to meet the demands and expectations of the Richland communities represented by the HAB.

The budget update provided by Connie Flohr, Acting Deputy Assistant Secretary for Program Planning and Budget, elucidated the role of EM's FY 2016 budget to support clear, distinct progress in the cleanup of the environmental legacy waste of the Cold War. In particular, DOE's \$5.818 billion dollar budget request will allow EM to continue transuranic waste disposal at the Waste Isolation Pilot Plant (WIPP); processing waste at DWPF; support construction and commissioning of the Salt Waste Processing Facility; and lastly, address key infrastructure needs across the complex.

Finally, one key WIPP update came from Frank Marcinowski, Deputy Assistant Secretary for Waste Management. The Board received a recap on the February 2014 incidents at WIPP and the key recovery steps towards resumption of operations, including the usage of interim ventilation, mine stability, and underground restoration. Additionally, the Board was given an overview of the Accident Investigation Board's report, released on April 16.

Northern New Mexico's CAB will host the next EMSSAB meeting the first week in September.



A FOND FAREWELL TO DR. DAVID MOODY

The Savannah River Site Citizens Advisory Board would like to thank Dr. Moody for his service to the nation as he departs in May into retirement.

We thank him for the time he committed to provide his bi-monthly update to the Board, as well as the community, to keep us informed on the issues at Savannah River Site. Dr. Moody has always demonstrated the patience to ensure that any questions presented to him were answered and understood.

He made sure that the Board and community understood why Enterprise SRS, and the initiatives of national security, clean energy, and environmental stewardship mattered. He has been a demonstrated leader and strong advocate for sustained Savannah River Site missions, and the value of the Savannah River Site to the Central Savannah River Area.

Under Dave Moody's leadership Savannah River Site has achieved a number of significant milestones, including:

- Produced an unparalleled record of safety and security at SRS.

- Operational closure of four high level waste tanks ahead of schedule;

- Production of over 350 Defense Waste Processing Facility glass canisters;

- Processing of 4.5 million gallons of tank waste to further reduce the life cycle costs and accelerate cleanup of the Cold War legacy waste;

- Shipment of 4,500 cubic meters of Transuranic waste (TRU) to the government-owned deep geologic repository, Waste Isolation Pilot Plant, intended to provide permanent disposal for TRU waste;

- Growth of the Savannah River National Laboratory into a highly respected national resource;

- Early completion and startup of the largest Federal sector Biomass Cogeneration Facility;

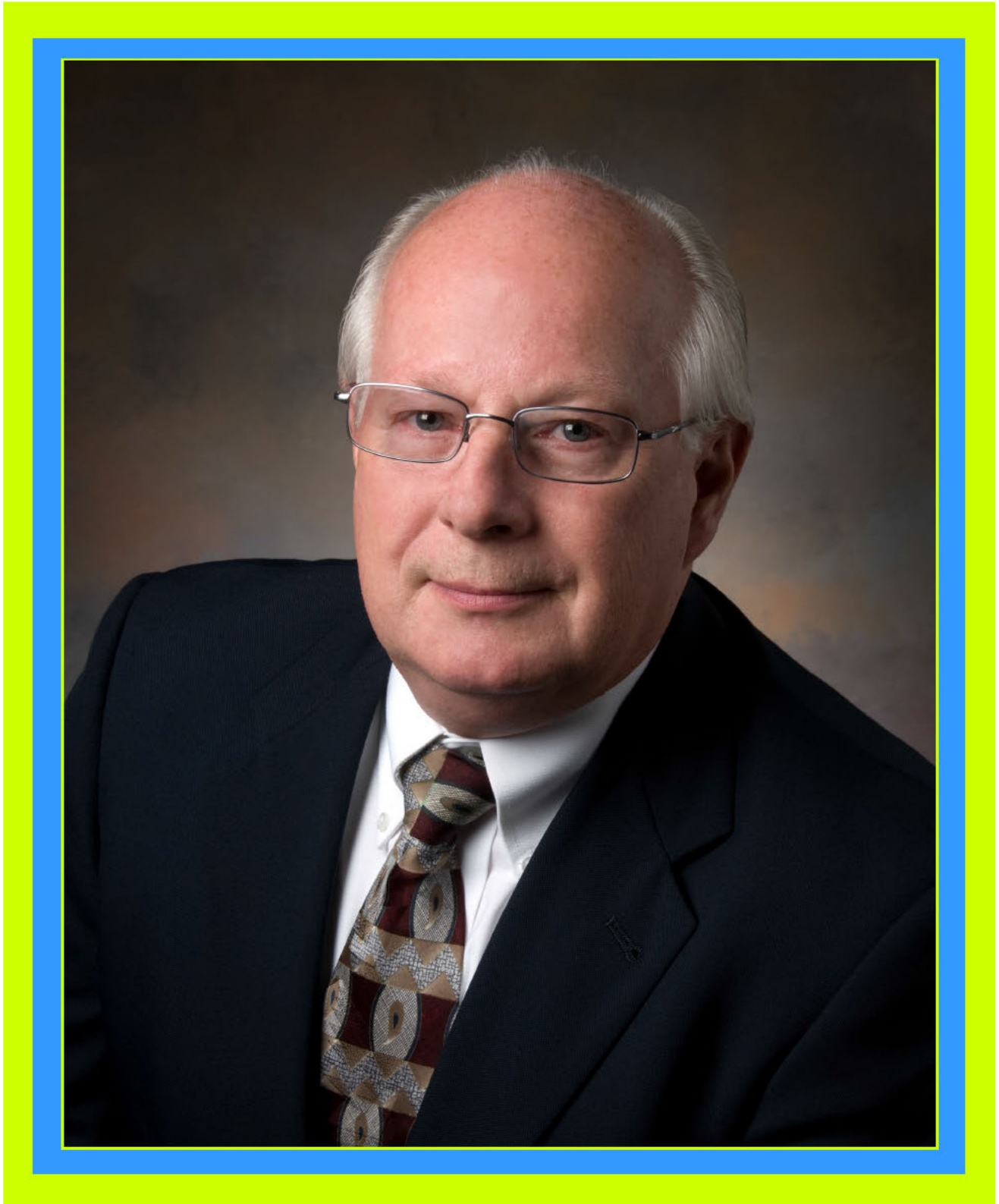
- Over 80% construction completion of the Salt Waste Processing Facility;

- Preparations in H-Canyon for receipt of Canadian liquid highly enriched uranium in support of the international non-proliferation agreements;

- Strengthened DOE working relations with regulators, congressional leaders, and stakeholder groups;

These are just a few of his myriad of accomplishments.

Dr. Moody, we wish you and your family a well-deserved retirement.



RECOMMENDATIONS

Since October 2014

Eight recommendations were formally adopted by the SRS CAB since October of 2014. For the full content of each recommendation and the Department of Energy response, please visit the cab website at cab.srs.gov.

Recommendation 323: Safety Procedures and Emergency Preparedness and Response at the Savannah River Site and Other Department of Energy Sites

Sponsored by: Strategic & Legacy Management Committee

Adopted: November 18, 2014

Recommendation 324: L-Basin Cob Webs: Potential Impact of Deep Geologic Storage

Sponsored by: Nuclear Materials Committee

Adopted: November 18, 2014

Recommendation 325: Functional Definition of Spent and Used Nuclear Fuel

Sponsored by: Nuclear Materials Committee

Adopted: November 18, 2014

Recommendation 326: Double-Stacking of Defense Waste Processing Facility Canisters

Co-Sponsored by: Nuclear Materials Committee and Waste Management Committee

Adopted: January 27, 2015

Recommendation 327: Follow-up on Savannah River Ecology Laboratory's Report "Technical Assessment of DOE Savannah River Site-Sponsored Radionuclide Monitoring Efforts in the Central Savannah River Area"

Sponsored by: Facilities Disposition & Site Remediation Committee

Adopted: January 27, 2015

Recommendation 328: Limiting the Use of Acronyms in Presentations Provided to the Public

Sponsored by: Facilities Disposition & Site Remediation Committee

Adopted: January 27, 2015

Recommendation 329: Providing Opportunity for the Public to Provide Written Comments on Savannah River Site Cleanup Decisions

Sponsored by: Facilities Disposition & Site Remediation Committee

Adopted: January 27, 2015

Recommendation 330: Funding Increases for Processing Materials at SRS

Sponsored by: Nuclear Materials Committee

Adopted: May 19, 2015

2015 WASTE MANAGEMENT SYMPOSIUM

The 41st Annual Waste Management Symposium (WMS) was held March 15-19, 2015, in Phoenix, AZ. The WMS is the premier international conference for the management of radioactive materials and related topics. The Symposium attracts nearly 2,000 scientists, engineers, and managers with over 500 papers and 136 technical sessions. Savannah River Site (SRS) CAB member, Nina Spinelli, presented a paper focused on the Board's online meeting technology, which she presented during the "Effectiveness of Advisory Boards" session. Along with Mrs. Spinelli, Mona Varela with the Northern New Mexico Citizens Advisory Board presented a paper detailing the diversity of her board; and Ben Peterson with the Paducah Citizens Advisory Board presented a paper on web-based geographic information system (GIS) to view waste disposal, and offer another path on creating recommendations. Finally, Kristen Ellis, with the US Department of Energy, provided an update of the last twenty years of community involvement with site-specific advisory boards.

"The Waste Management Symposium was a fantastic opportunity to meet with counterparts from other SSABS and exchange ideas about our own communities. The technical presentations added another layer of knowledge to the process of waste management and I hope that can be used in my next year on the CAB," shared Mrs. Spinelli.

We Welcome the Newest Members of the Savannah River Site Citizens Advisory Board!



John G. (Gil) Allensworth
Warrenville, SC

Strategic & Legacy Management
Committee



David Hoel
Aiken, SC

Nuclear Materials Committee
Strategic & Legacy Management
Committee
Waste Management Committee



Andrew Bush
Aiken, SC

Nuclear Materials Committee



Daniel Kaminski
Beech Island, SC

Nuclear Materials Committee



Susan Corbett
West Columbia, SC

Waste Management Committee



John McMichael
Aiken, SC

Waste Management Committee



Dawn Gillas
New Ellenton, SC

Facilities Disposition & Site Remediation
Committee
Nuclear Materials Committee



Mary Weber
Aiken, SC

Strategic & Legacy Management
Committee



And A New Site Manager!

Jack R. Craig, Jr. is the new Manager of the U.S. Department of Energy (DOE) Savannah River Operations Office (SR) at the Savannah River Site (SRS) in Aiken, South Carolina, effective June 2015. Mr. Craig has served over 25 years in various technical, management and executive leadership positions both at DOE-Headquarters and field offices. Many of these positions have been associated with environmental cleanup activities at former nuclear weapons production facilities throughout the U.S., including serving as DOE-SR Acting Manager from March 2010 to November 2010. Mr. Craig entered the Senior Executive Service in September 1999.

As DOE-SR Manager, Mr. Craig is responsible for one of the Department's most diverse and complex environmental management (EM) sites, overseeing management and operations of the vast Savannah River Site covering 310 square miles and a workforce of over 11,000 federal and contractor staff. Specifically, he oversees the Site's EM program, leading efforts at SRS to disposition legacy radioactive liquid waste and empty and close waste tanks; stabilize and disposition legacy plutonium and uranium materials; consolidate and provide safe interim storage of excess plutonium and spent nuclear fuel in support of national defense and nuclear nonproliferation priorities; remediate soil and groundwater; and continue area cleanup and decommissioning efforts across the Site.

Additionally, Mr. Craig has overall leadership of EM's missions at the Savannah River National Laboratory, the Site's multi-program applied research and development laboratory, where science is put to work to develop and deploy technologies to meet the challenges facing SRS and the Nation in the areas of national and homeland security, clean energy, and environmental stewardship.

His previous experience encompasses direct line management responsibility as the Director, Environmental Management Consolidated Business Center in Cincinnati, Ohio, from 2004—2015, leading an organization that provides business and technical support to DOE's entire EM element in the areas of financial management, cost estimating, human resources, contracting and acquisitions, intergovernmental communications, legal services, property and records management and technical services.

From January 2014 through December 2014, Mr. Craig took on the added executive leadership roles of Acting Associate Principal Deputy Assistant Secretary for Environmental Management and Senior Advisor for the Acting Assistant Secretary for Environmental Management at DOE-Headquarters.

In his early career, from 2000—2004, Mr. Craig served as the Deputy Manager of the DOE Ohio Field Office where he was responsible for the management, cleanup and restoration of five separate DOE facilities (Fernald, Mound, Battelle-Columbus and Ashtabula) and the West Valley Demonstration Project in New York. From 1995—2000, he was the Director of the Fernald Environmental Management Project responsible for the management of all facilities decommissioning, radioactive materials management, environmental restoration, and public involvement.

Before joining DOE, he managed environmental projects at Department of Defense facilities for General Dynamics Corporation. He also held various positions with the Naval Sea Systems Command in Washington, D.C., where he was responsible for naval ship design and shipyard inspections.

Mr. Craig holds a Bachelor of Science in Civil Engineering from Ohio State University and an Executive Certificate in Management and Leadership from MIT Sloan School of Management. He and his wife, Mary Beth, have two grown children and reside in Aiken, South Carolina.



2015 SRS CAB COMMITTEE SCHEDULE

Facilities Disposition & Site
Remediation Committee (FD&SR)

Strategic & Legacy
Management (S&LM) Committee



Waste Management Committee (WM)

Nuclear Materials Committee (NM)

DATE	TIME	COMMITTEE	
August 4th	4:30 – 6:20 p.m.	Waste Management	<p>All committee meetings are held on Tuesdays at</p> <p>New Ellenton Community Center 212 Pine Hill Avenue New Ellenton, SC 29809</p> <p>*****</p> <p><u>Can't Make it to a Committee Meeting?</u></p> <p>Consider viewing the live meeting online at home! For more details, please visit the CAB's website at:</p> <p>http://cab.srs.gov</p> <p>Contact us by phone at: 803-952-7884 (800) 249-8155</p> <p>Contact us by email at: srscitizensadvisoryboard@srs.gov</p>
August 4th	6:30 – 8:20 p.m.	Nuclear Materials	
August 11th	4:30 – 6:20 p.m.	Strategic & Legacy Management	
August 11th	6:30 – 8:20 p.m.	Facilities Disposition & Site Remediation	
October 6th	4:30 – 6:20 p.m.	Waste Management	
October 6th	6:30 – 8:20 p.m.	Nuclear Materials	
October 13th	4:30 – 6:20 p.m.	Strategic & Legacy Management	
October 13th	6:30 – 8:20 p.m.	Facilities Disposition & Site Remediation	
December 1st	4:30 – 6:20 p.m.	Waste Management	
December 1st	6:30 – 8:20 p.m.	Nuclear Materials	
December 8th	4:30 – 6:20 p.m.	Strategic & Legacy Management	
December 8th	6:30 – 8:20 p.m.	Facilities Disposition & Site Remediation	



2015 FULL BOARD MEETING SCHEDULE

<u>Date</u>	<u>Location</u>
July 27-28	New Ellenton Community Center 212 Pine Hill Avenue New Ellenton, SC 29809
September 21-22	New Ellenton Community Center 212 Pine Hill Avenue New Ellenton, SC 29809
November 16-17	New Ellenton Community Center 212 Pine Hill Avenue New Ellenton, SC 29809



**Savannah River Site
Citizens Advisory Board**

Bldg. 730-B, RM #1184

P.O. Box A

Aiken, SC 29802

**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 2016-2018 term.

Please fill out an application at

<http://cab.srs.gov>

You can email us at:

srscitizensadvisoryboard@srs.gov

The Savannah River Site (SRS) Citizens Advisory Board (CAB) extends a big "thank you" to everyone that helped make this newsletter 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 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.

Please be sure to "like" us on Facebook at: facebook.com/SavannahRiverSiteCAB.

**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 info!

WANT MORE INFO??

**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.**