



## Update from our Executive Director

CNTA had a very busy summer, and has many great activities and events scheduled for the fall. Our education committee, communications committee, and young professional volunteers have been hard at work. We also hosted our 22nd Annual Charity Golf Tournament in May, which took over 30 volunteers time and efforts to successfully complete.

We applied for and were awarded two grants tied to the Department of Energy's Office of Nuclear Energy's Consent-Based Siting Consortia. Read all about our plans on page 7. Part of this grant, and our summer was spent bringing on two new staff. We are excited to welcome Dr. Christopher Noah and Shelby Henstra to the CNTA staff. Their contact information can be found on our website.

We also want to welcome our new business members and our many new individual members.

Our organization is a grassroots nonprofit, which means we don't exist without your support. Your memberships, event attendance, and donations allow CNTA to continue our mission. Since 1991 we have focused on advocating for the many benefits of nuclear technology on our lives, on our local economy, in our broader society, in space exploration and more.

Thank you for your interest and commitment to help bring truth to these matters.

Allison

## Update from our Board Chair

Citizens for Nuclear Technology Awareness (CNTA) has received a \$100,000.00 implementation grant as part of the DOE's Nuclear Waste Dialogue (NuWaDi) project. The grant supports staffing, office support, messaging, as well as community events and activities to enhance implementation of CNTA's core mission.

In addition to NuWaDi, your support of CNTA is vital and further develops our community organization's ability to promote "all things nuclear." I encourage you to support one or more of the following initiatives/events to help us grow and expand our opportunities to reach more students and citizens on why nuclear is important to the CSRA and our lives.

- Keep your membership current and consider jumping to the next level as a Champion, Advocate or Benefactor.
- Encourage one friend or colleague to join – especially any Young Professionals that qualify for free membership.
- Be active and volunteer from one of our STEM events or community outreach – help be the face of CNTA.
- Attend our fall activities:
  - Teller Lecture set for October 24, 2024
  - Up and Atom breakfasts held throughout the year
  - Young Professional Oyster Roast set for October 12, 2024

Thanks again for your continued support, and I look forward to seeing you!

Forest Mahan, CNTA Board of Directors Chair

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## Education Committee Updates

### STEM ACTIVITIES

Education volunteers have represented CNTA at several education outreach activities this summer. Over a dozen members have engaged with the public and supported education on nuclear matters.

We have participated in:

- DIG STEM Festival in Williston- Volunteers interacted with hundreds of students and community members.
- Family Earth & Sky Night at USC Aiken- Volunteers specifically focused on how nuclear technology is used in space exploration.
- Furman University- Jon Guy & Bill Wabbersen provided an eight-hour workshop for teachers.

Also this summer, the education committee has been hard at work on the 2025 Educator Grant Program and Essay Contests and have been building new relationships with teachers across the region. We hope these efforts have set us up for a very busy and productive fall!



We will be at the Fall Fission Festival and SEED in October & need your help! Consider volunteering for these one-time events!

### Summer Course to Young Engineers

CNTA members Paul Ebel and Jim Marra taught a summer course on Research Methods, and Frank Heckendorn taught a course on Robotics to a group of young engineers through the DOE Minority Serving Institutions Field Station at SRS. These students came to Aiken from across the country to participate in this summer program hosted at USC Aiken.



### Advocacy/ Public Outreach Activities

CNTA members were on hand to spread the message of CNTA and our activities at several public events this summer. We were proud to support ETEBA's Savannah River Federal Business Opportunities Forum in July and helped celebrate the completion of Unit 4 at Plant Vogtle.

We have also been active supporting Savannah River Site events, Chamber of Commerce activities and have been expanding our reach across the river to Georgia.



## 2024 Maher Memorial Scholarship Recipient

Citizens for Nuclear Technology Awareness (CNTA) and Savannah River Mission Completion (SRMC) have announced Kennesaw State University (KSU) student Micah Holston as the winner of the 2024 Robert Maher Memorial Scholarship.

The \$5,000 scholarship is sponsored by SRMC, the liquid waste contractor for the U.S. Department of Energy at the Savannah River Site (SRS).

Holston, a senior from Marietta, Georgia, is pursuing a bachelor's degree at KSU in physics and political science with minors in nuclear engineering, math, and international affairs. CNTA Executive Director Allison Hamilton Molnar said CNTA is proud to award this scholarship to such a deserving student.



"Micah is unique, talented, and driven to pursue nuclear research, teaching, and decision-making in the political world, which is refreshing and exciting," Hamilton Molnar said. "CNTA is pleased to present him with financial support to continue his education. No doubt he will be an exemplary addition to the nuclear industry's future."

This past school year, Holston served as the Kennesaw Nuclear Society (American Nuclear Society student chapter) co-president. He is also the founding vice president of KSU's new North American Young Generation in Nuclear (NAYGN) chapter.

In his NAYGN role, he solidified involvement from the engineering majors and broadened the appeal of their work to encompass political science/international affairs majors, imbuing America's next generation of leaders with a pro-nuclear outlook.

"Ultimately, nuclear power's future will be determined by politicians and bureaucrats, not scientists and engineers," Holston wrote. "Therefore, pre-emptively educating future U.S. government officials on nuclear power's capabilities and securing their buy-in is paramount to fission's future – and perhaps even fusion's future."

In his post-undergrad career, he said he wants to engage in particle accelerator research.

Then, once he finishes a master's degree in either Nuclear or Electrical Engineering, he wants to pursue graduate internships, then employment at a national/military laboratory, and finally complete his PhD in Physics.

His plans include a stint at a national lab, followed by teaching at a university. Then, he said that rather than retire after a couple of decades in a national lab and academia, he wants to pivot to a political career, where he would like to be elected to a state/national office.

"I stridently advance vitalization of the nuclear industry, paving the way for additional plants to be constructed in the U.S., especially along the Eastern seaboard," Holston said. "I will focus legislative efforts on modernizing the electrical grid structured around nuclear plants (perhaps small modular reactors) and promote public education on nuclear power's numerous advantages."

The Robert Maher Memorial Scholarship is a joint project of CNTA and SRMC. Maher, Vice President and General Manager for Strategic Mission Development at SRS, passed away in 2002 after a 48-year career at the Site. A visionary with a broad view of the Site's potential, Maher helped shape SRS.

The annual scholarship was established in Maher's memory to support students pursuing science and engineering degrees in preparation for careers in the nuclear field. Details on the scholarship can be found at: <https://cntaware.org/maher-memorial-scholarship/>.

CNTA would like to thank SRMC for its sponsorship of this annual award and the committee members who had the difficult task of determining a winner. The committee was chaired by John Veldman, and included Dean Campbell, Forest Mahan, John Sindelar, and Daren Timmons.



## Communications Committee Update

The communications committee of CNTA has been hard at work this summer writing stories, working on the layout, and copy-editing the 2024 Nuclear Science Week Insert. Every year the committee partners with the *Aiken Standard* to publish this insert, and this year's is looking great! Great work to all the committee members. Be on the lookout for a copy in the October 12th Saturday Edition of the *Aiken Standard*!

In addition to this effort, committee members have been active with CNTA's social media, website, and have written six press releases for publication later this fall. Since the start of 2024, the committee has published 15 press releases on CNTA activities and events.

**The Community Gift Card Program, in its 4th year, raised over \$1,000 in cash, and contributed another \$1,000 in in-kind donations.**

This program provides prizes for CNTA raffles and supports local businesses. Individuals donated cash, gift cards, or raffle prizes purchased from local businesses and were entered to win two tickets to the Fall 2024 Oyster Roast. The drawing will be held September 3rd.

**Since 2020, this program has raised over \$8,000!**

**HELP CNTA & HELP THE COMMUNITY**

Back for its 4th year!

Support local business by purchasing items or gift cards & donate them to CNTA!

Donations can also be made at: <https://cntaware.org/about-us/> & CNTA will purchase gift cards from local businesses. Contact Allison ([office@cntaware.org](mailto:office@cntaware.org)) for details

\*All donors received by September 1, 2024 will be entered into a drawing for two tickets to the Fall YP Fundraiser at Palmetto Golf Club on October 12th!

**CNTA**  
Clemson University  
Nuclear Science Week

CNTA  
1300 Whiskey Rd, Suite 20  
Aiken SC, 29801  
803.645.5208  
info@cntaware.org  
www.cntaware.org

## Up & Atoms

CNTA had a busy summer of Up & Atoms. At many of these events, we had the privilege to recognize some of our 2024 Essay Contest and Educator Grant winners.

**June 5, 2024-** “NuWaDi Consortium & Consent Based Siting”.

Dr. Lindsay Shuller-Nickles from Clemson University spoke on the Department of Energy's Consent Based Siting grants.

**July 17, 2024-** “SRS Interns”

Darby Waund (SRMC), Simon Toney (SRNL), and Abigail Glover (SRNS) presented on their summer experiences at Savannah River.

**August 21, 2024-** “SRPPF Update”

Erika Baeza-Wisdom, Deputy VP, Pit Production Operations presented an update on the progress made & next steps.

The Up & Atom program continues this fall with:

**September 12, 2024-** Mr. Travis Chapman, Director, Regulatory & Licensing, BWXT.

**October 9, 2024-** SRNL Updates and plans for the AMC.

**November 20, 2024-** Celebrating Apprenticeship Appreciation Week.



Summer Interns were asked to stand during the July Up & Atom and we were proud to have over 75 interns present at the event.



## 22nd Annual CNTA Charity Golf Tournament

Citizens for Nuclear Technology Awareness (CNTA) held their 22<sup>nd</sup> Annual CNTA Charity Golf Tournament on May 10, 2024, at Houndslake Country Club in Aiken, SC.

Allison Hamilton Molnar, Executive Director of CNTA, said this was another successful year for the fundraiser.

“We had 28 teams, totaling 112 golfers, participating this year,” Molnar said. “This tournament is one of CNTA’s largest fundraisers and is a fun, competitive event for participants. This year, we raised net proceeds of approximately \$33,000 that will help CNTA promote and educate the public on nuclear technology.”

The winning contest participants and their teams include:

- First Low Net- Centerra-SRS (Demetrick Drumming, Todd Hatfield, Chris Pinkard, Norris Bunch)
- Second Low Net- Southern Nuclear (Mike Brett, Steve Brown, Matthew Lynch, Trevord Crawford)
- Third Low Net- SRNS Team I (Sean Alford, Henry Bryant, Bob Bonnett, Lonnie Gordon)
- Low Gross- Wesworks (Rees McCarthy, Dane Burkhart, Ryne Salmon, Pat Cunning)

Molnar added that CNTA was greatly appreciative of the volunteers and donors who helped make this year’s golf tournament a tremendous success. Many thanks to the more than 30 volunteers who attended!

**CNTA exists as a grassroots organization, and events like these would be impossible without the support of our business partners and members!**

Team photos available upon request!



### Thanks to our Major Sponsors!



**SAVE THE DATE**  
 The 23rd Annual CNTA Charity Golf tournament will be held May 9, 2025. Sponsorship information is available!





## Young Professionals Committee

### Tap Into Nuclear

June 6, 2024- "CNTA Night at the Ballpark" with the Augusta Greenjackets at SRP Park! Over 60 CNTA members showed up and had a great evening!

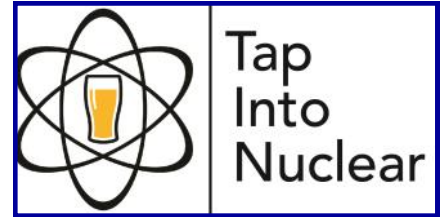
June 25, 2024- Coordinated a Savannah River Site Tour for young professionals who either don't work on site, or are new to the area.

July 18, 2024- Supported LEAP's "Rally in the Alley" for SRS Summer Interns. Five CNTA volunteers educated the interns on our free young professional membership, the Maher Memorial Scholarship, and more.

CNTA will be supporting the SRMC READY Professional Development program with a webinar on September 26th at 2pm. Details TBA

Plans are underway for our December Night of Giving Back. Join CNTA on December 12th to support organizations helping those in need during the holiday season. Details in our Calendar of Events.

**We are always looking for ideas for what our young professionals want. If you have ideas, send them our way!**



## Fall Young Professional Fundraising Event

**CNTA**  
Creating for Nuclear  
Technology Awareness

HOSTED BY THE YOUNG PROFESSIONALS COMMITTEE

**6TH ANNUAL OYSTER ROAST**

Saturday, October 12th  
6:30 PM - 9 PM

**\$50/person**  
RSVP Deadline October 1st

Indulge in Delicious Oysters And Low Country Boil  
Catered by Blue Collard

Music by Keith Gregory  
Event will include a live raffle & more!

www.cntaware.org

**Current Sponsors Include:** Savannah River Mission Completion  
Longenecker & Associates | Savannah River Nuclear Solutions  
Applied Research Center | Burns & McDonnell | Centerra-SRS |  
HII-Nuclear | Merrick & Company | Omega Technical Solutions |  
Parvati Government Services Inc. | Security Federal Bank |  
Southern Nuclear-Plant Vogtle

Held at the historic Palmetto Golf Club in Aiken, SC

The committee has been hard at work planning the 6th Annual Oyster Roast & Low Country Boil!

The event is set, tickets are now on sale (only a limited supply remain, so buy yours before they sell out!), and the committee looks forward to hosting everyone on October 12th at Palmetto Golf Club.

The proceeds of this event go to support CNTA's young professional activities, the free membership for individuals under 40, and our support of educators across the CSRA

Tickets to the event and more information can be found on our website.

The Community Gift Card program helps support this event by providing raffle items. We still are in need of items to help round out the raffle baskets. Please consider whether you have something you could donate!

The committee is looking for volunteers to help that evening with set-up, tear-down, and raffle ticket sales. All volunteers attend the event for free! If interested in helping the young professionals committee at this event, please email us!

## CNTA Awarded \$120,000 Grant

CNTA has received two grants from the NuWaDi Consortium, an awardee of the Department of Energy's Office of Nuclear Energy's Consent-Based Siting. The Consent-Based Siting Consortia support the U.S. Department of Energy's efforts to facilitate inclusive community engagement and elicit public feedback on consent-based siting, management of spent nuclear fuel, and federal consolidated interim storage.

The NuWaDi (Nuclear Waste Dialogue) is one of 13 consortia funded by the Department of Energy, and consists of Clemson University and South Carolina Universities Research and Education Foundation (SCUREF). Many other consortia are also participating in this project across the region including the Energy Communities Alliance, South Carolina State University and the American Nuclear Society to name a few.

The \$120,000 grants will run through next summer and have allowed CNTA to increase our capacity and research how the public's support for something like a spent nuclear fuel facility is dependent on using language and terminology they can understand.

Between June 2024 and August 2025 our grant includes:

1. Hosted the June Up & Atom on consent-based siting and how groups and individuals can be involved.
2. Hosted an Office Drop-in on August 8th for CNTA members to learn more about our efforts.
3. Are planning an expert roundtable for September to brainstorm alternative language we can experiment with to gauge changes in public understanding.
4. Are currently in process of the Teller Lecture & inviting teachers and students to attend for free (see flyer on pg. 15 & learn more on our website). We will also have an expo for individuals to learn more about nuclear topics.
5. Finalizing an essay contest topic geared towards spent nuclear fuel. The grant also provides us funds to expand the contest to the entire state of South Carolina and CSRA Counties.
6. Will teach a Center for Lifelong Learning class on spent nuclear fuel and avenues for reprocessing.
7. Plan to field a public opinion survey experimenting on alternative word choices to see how the words we use impact public understanding.

As part of these efforts we would like to welcome two new staff to CNTA. Shelby Henstra has joined us as a part-time marketing & communications manager and Dr. Christopher Noah has joined us as the grant project director.

Come spring 2025 we will be hosting and having conversations with community groups across the region to understand their concerns were a project like this to be proposed. If you are part of a community group that would like to be involved, please let us know and we will work with you to schedule an information session.

**If you'd like to be involved there are many options. We will need help judging the essay contest, help with public outreach in 2025, and many more opportunities!**

Learn more on the NuWaDi Consortium and CNTA's participation in this Department of Energy program on our website. The full documentation of our grant proposals is also available online. Go to: <https://cntaware.org/nuwadi-consortium/> to learn more.



## Savannah River Site Receives Regulatory Concurrence on Waste Tank Milestone

### Submitted by Savannah River Mission Completion

The U.S. Department of Energy (DOE) Office of Environmental Management (EM) received concurrence from the South Carolina Department of Health and Environmental Control (SCDHEC) and U.S. Environmental Protection Agency (EPA) on May 23 that the Savannah River Site (SRS) has successfully removed waste from Tank 10 and may now proceed to the next step in the closure process for that tank.

Completing this phase of work on the waste tank, called preliminary cease waste removal (PCWR), is the first waste tank-related Federal Facility Agreement (FFA) milestone achieved by SRS liquid waste contractor Savannah River Mission Completion (SRMC), and it was accomplished seven months ahead of schedule.

PCWR is a regulatory milestone for old-style tanks that designates agreement between DOE, SCDHEC, and EPA that, based on preliminary information, there is reasonable assurance that performance objectives for tank closure will be met. Also, the concurrence means that work can begin on the sampling and analysis phase of the tank closure process. This next phase will verify these conclusions, based on laboratory analysis of any remaining material and final residual volume determination, prior to final isolation and stabilization of the waste tank.

The FFA establishes a procedural framework, including liquid waste tank milestone agreements and other site cleanup priorities. It also specifically outlines the schedule for the waste removal and operational closure of the remaining 16 oldest-style tanks at SRS. Eight of the 51 tanks at SRS have already been operationally closed. All 43 remaining waste tanks are slated to be operationally closed by 2037.

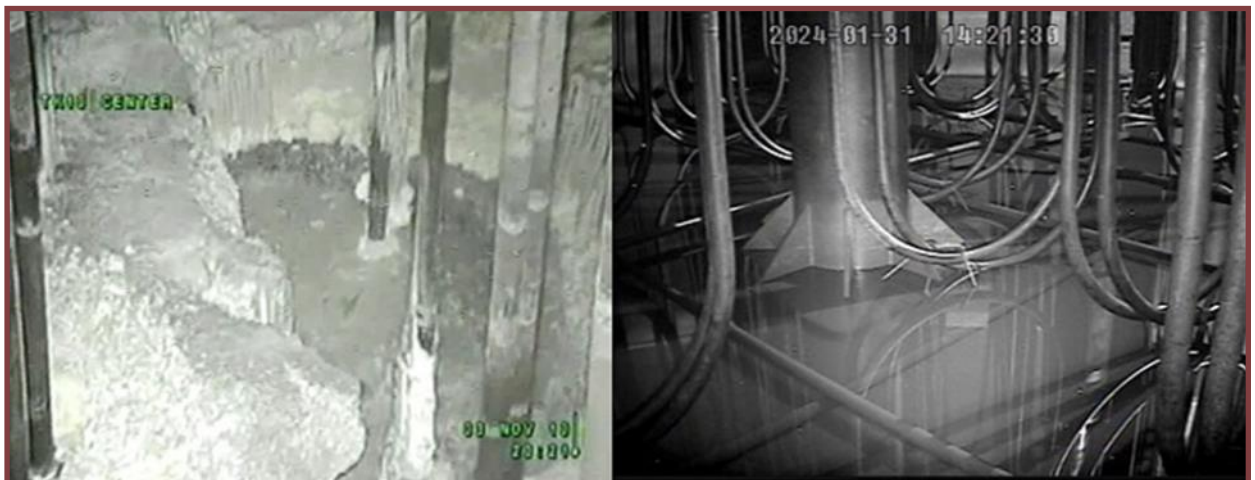
Jim Folk, DOE-Savannah River assistant manager for waste disposition, said PCWR is a significant step toward achieving eventual tank closure.

“The required process for properly closing these waste tanks is very demanding, and DOE is pleased with the safe work to accomplish this task,” Folk said. “While there are many steps to closing all the SRS waste tanks, we have a path and a plan to get there.”

SRMC President and Program Manager Dave Olson said he continues to be proud of the work by employees who demonstrate they want to achieve the mission.

“Our workers know the impact our liquid waste can have on people and the environment,” Olson said. “Achieving PCWR is another stride in protecting our communities.”

Tank 10, built between 1951 and 1953, is 75 feet in diameter and stands 24.5 feet tall. The tank has a capacity of 750,000 gallons.



*Interior of Tank 10 before and after the cleaning process.*

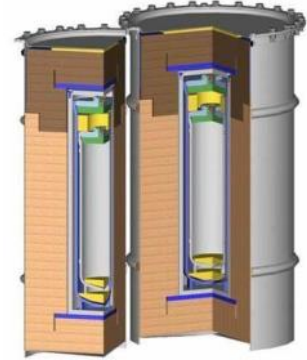


## Unwrapping the World of Packaging: SRNL and SRNS Team Up to Lead Hazardous Materials Packaging Course

### Submitted by Savannah River National Laboratory

Many of the projects at Savannah River Site require specialized packaging to transport and store radioactive and other hazardous materials. Regardless of whether a team is working on a defense, nonproliferation, or material storage project, Savannah River National Laboratory's Packaging Technology Group is likely to have a hand in ensuring the material is properly contained.

The work and science behind packaging is not common knowledge to everyone at SRS, even to those who work directly with hazardous materials. Packaging group managers from SRNL, Savannah River Nuclear Solutions, and Savannah River Plutonium Processing Facility wanted a way to ensure new hires and engineers got first-hand experience with the Site's utilized packages. Through the recently launched SRNL Nuclear Nonproliferation Program Group's Knowledge Transfer program, SRNL's Mobile Plutonium Facility Packaging Team came together to offer a site-wide course focusing on the design and use of Type B Radioactive Material Packages, as well as some Type A(F) Packages. Packages are categorized into groups based on the allowable activity of radioactive containment, for example, Type B packages contain high levels of radioactivity such as spent fuel from nuclear power plants.



SRNL Senior Engineer and Team Lead for Packaging Sustainment Juan Licea-Yañez; Rich Koenig, a program manager for nonproliferation at SRNS; and Wayne (Doug) Holiday, leak test group lead at SRNL, are members of a small, select group of staff at SRS who are authorized users of Department of Energy Complex non-cask Type B containers. They also serve as the packaging subject matter experts for SRNL's Mobile Plutonium Facility and brought together their expertise to lead the two-day packaging course. Personnel from SRNL and SRNS joined to learn about the design and use of Type B packages.

"[Packaging] is a fairly niche world, but it's something that touches, at least briefly, every major project that the lab does, or will do," Licea-Yañez said. "A lot of people who work on these projects have never laid hands on or even physically seen a 'packaging.'"

Licea-Yañez says that while many, like those who work as a design authority, may never have to operate a package, courses like this one are important to provide the information workers need to understand what they may be dealing with.

"I finally had the opportunity to physically see and get firsthand experience with packaging I have only read or wrote about in documents," SRNL Packaging Technology Engineer Miranda Albert said after taking the course. "It is priceless to see the operation process in person and get a unique chance to see rigging, tool operation, and packaging components up close." SRNL owns many of the packages that are used at SRS, including one of the more popular Type B packages, the 9975, which is used for storage in K-Area. The lab's packages come in drum-style containers, and while many of the packages serve a similar purpose, the course was designed for participants to understand the features and nuances that are critical to the safety of each package's function. Even the slightest modifications can significantly change the composition of the container's capacity and role.

"A slight modification to the configuration of components inside of the 9977 containment vessel can essentially double the payload capacity of the package with no other necessary modifications," Licea-Yañez said.

There are other courses at SRNL sponsored by the Department of Energy through its Packaging University. These courses focus less on the specifics of individual packages and more on topics that include preparation for Safety Analysis Reports for Packaging or operations and leak testing.

The success of this first course has inspired Koenig to work toward turning it into a symposium in the future in conjunction with SRS Site Training. The initial course was made up of 15 participants from packaging and operations, but the team is looking to expand the course to transportation services, radiological control, and any others who are within the package world. Continuing to educate and train workers on packaging reinforces safety as the priority at SRS.



Rich Koenig (left) and Wayne (Doug) Holiday (middle) brief course attendees on a drum-style Type B Packaging.

## Career opportunities abound with SRPPF mission at Savannah River Site

### Submitted by Savannah River Nuclear Solutions

#### Construction Management subcontractor Fluor staffing up to build Plutonium Processing Facility

Savannah River Nuclear Solutions (SRNS), the managing and operating contractor at the Department of Energy's Savannah River Site (SRS), and Fluor, the Construction Management subcontractor for the Savannah River Plutonium Processing Facility (SRPPF) project, hosted a Career Fair on July 25 to meet hiring needs for the SRPPF mission.

SRNS is responsible for the construction of SRPPF in support of the pit production mission at SRS. Fluor is hiring as part of its SRNS contract with the DOE's National Nuclear Security Administration (NNSA).

More than 1,100 job candidates attended the daylong career fair held at the Crowne Plaza in North Augusta, S.C. Representatives from SRNS and Fluor were on hand to answer questions and assess and recruit potential applicants.



*Savannah River Nuclear Solutions and Fluor teamed up for a Career Fair in North Augusta to meet hiring needs for the Savannah River Plutonium Processing Facility (SRPPF) mission.*

"SRNS is proud to support Construction Management (CM) subcontractor Fluor as it increases construction management staffing for the SRPPF project," said Francine Burroughs, SRNS Senior Vice President, Workforce Services and Talent Management. "We're seeking candidates equipped to help us build this important facility at the Savannah River Site and support the SRPPF enduring mission."

Fluor Federal Services is looking to fill positions in construction management disciplines.

"Fluor is seeking candidates to support the SRPPF project with qualifications related to engineering, procurement and construction management," said Steven Fleury, Human Resources Director, Fluor. "If you can engineer it, manage it, design it, or have other professional skills, we want to hear from you. It is easy to search and apply to positions online."

Available Fluor positions, located in Greenville and Aiken, include the following fields: Engineering, Estimating, Procurement, Information Technology, Human Resources, Operations, Business Services, Project Controls, Construction, Quality Control/Quality Assurance, Safety and Security Professionals, and Program Management.

SRS is constructing the SRPPF complex through repurposing an unfinished concrete structure with more than 400,000 square feet of available Hazard Category-2 space, which will meet pit production requirements. Repurposing this facility allows NNSA to make use of an existing seismically-qualified structure, with numerous supporting facilities and existing SRS services and infrastructure, such as security, fire protection and emergency response.

For more information, contact [HRRecruiting@srs.gov](mailto:HRRecruiting@srs.gov) or visit [SavannahRiverNuclearSolutions.com/Careers](https://SavannahRiverNuclearSolutions.com/Careers) and [Fluor.com/Careers](https://Fluor.com/Careers).

## Knoxville-based Management Solutions Opens Office in Aiken, SC

### Submitted by Management Solutions

Management Solutions, LLC (MSLLC) recently expanded its footprint in the Savannah River area with a new office in Aiken, South Carolina. The office is located at 4362 Whiskey Road, Aiken, SC 29803.



Management Solutions has supported the Savannah District for the U.S. Army Corps of Engineers (USACE) for 22 years, work that will now be conducted through the new Aiken office. They will work alongside the Department of Energy's (DOE) Savannah River Operations Office, the National Nuclear Security Administration (NNSA), and the U.S. Nuclear Regulatory Commission, among others at the Savannah River Site, to offer advanced data analytics and AI project management.

Kyle Kilroy, PhD, Senior Director of Operations, leads the firm's Aiken office. Previously, Kilroy overhauled nuclear materials programs at the Savannah River Site while serving at DOE. Kilroy leverages his nuclear services leadership and technical expertise to lead support for federal partners in the Savannah area. Kilroy has over two decades of nuclear management experience, including turnaround efforts on some of the federal government's most technically challenging projects. He will lead a team of DOE and USACE experts based out of the Aiken office, including Doug Woodward, MSLLC Quality Assurance Manager, who has a long history supporting DOE and currently supports the DOE Office of Clean Energy Demonstrations for Management Solutions; and Matt Harriell, the firm's new Cyber Security Manager, who has nearly three decades of cyber security risk assessment experience.

"Expanding our Aiken footprint demonstrates Management Solutions' long-term commitment to serving federal partners in the Savannah River area and builds on our multi-decade legacy in the region. We look forward to better serving our federal and local partners through our new office," said Kilroy.

For more information about Management Solutions, visit their website at [managementsolutionsllc.com](http://managementsolutionsllc.com).

Presented by:

**NuWaDi**

U.S. DEPARTMENT OF ENERGY NUCLEAR AWARDEE CLEMSON SCOREP

**SRP**  
FEDERAL CREDIT UNION

Security Federal Bank

CNTA  
Citizens for Nuclear Technology Awareness

SRS CRO  
COMMUNITY RESERVE ORGANIZATION

Aiken Standard

**Fall Fission Festival**  
October 19th 1-4pm

Free to the Public

STEM Activities, Games, Contests, DJ, Live Music, Food Trucks, Candy, and More!

**SRS Museum**  
224 Laurens St. SW - Aiken, SC 29803-648-1437  
[srsheritagemuseum.org](http://srsheritagemuseum.org)

The Savannah River Site Museum's Fall Fission Festival celebrates the importance and excitement of science by highlighting local exhibitors with hands-on STEM activities along with giveaways and prizes at each station. A mad scientist will perform experiments, food trucks will offer delicious treats, and a DJ and folk group will provide entertainment.

We encourage children to wear Halloween costumes and participate in our costume contest for fun prizes. Inside the museum will be a quiet zone where children can create with our STEM bins and read science-related books.

If you are interested in volunteering please contact Linda Lindler, SRS Museum Director via email @ [LLindler@NewSouthAssoc.com](mailto:LLindler@NewSouthAssoc.com) or by phone at 803-648-1437.



## Centerra-SRS maintains constant focus on safety, security and environmental compliance

### Submitted by Centerra-SRS

Centerra, the security contractor at the Savannah River Site since 1983, is committed to conducting their important National Security mission safely, effectively, and in compliance with all Federal, State, and regulatory agency requirements. The Company employs Industrial Hygiene and Environmental professionals to identify, evaluate, and control any potential hazards that could impact the well-being of workers if not mitigated.

“The Industrial Hygiene Section manages programs that are critical to our overall success,” said Joyce Hopperton, Director of the Environmental, Safety, Health and Quality Assurance Division. “The health and safety of employees is our top priority and proactive identification and mitigation practices are important elements of our overall strategy.”

The Company’s Industrial Hygiene staff manages and administers numerous programs and processes, including indoor air quality, hearing conservation, ergonomics, lead control, bloodborne pathogens, respiratory protection, hazardous materials transportation, and various other environmental and health protection programs.

“We conduct baseline and routine surveys for hazards such as lead, carbon monoxide, thermal stress, and noise,” said Chelsea Arthur, the Industrial Hygiene Supervisor. “In addition to sampling activities, we conduct scheduled and unannounced technical assessments and surveillances that ensure our operations are meeting compliance standards. Overall, these encompassing programs ensure that employee safety is at the forefront.”

The Company’s Environmental Management System provides guidance related to spill prevention, chemical inventory and management, hazardous waste, and any activities that environmentally impact Centerra operations. The EMS establishes environmental objectives and monitors whether targets have been achieved for all significant environmental aspects.

The effectiveness of Centerra’s Environmental Management System has been validated by internal and external audits and the Company has successfully maintained ISO 14001 certification since 2009. The Environmental Protection Specialist ensures that Company operations are in compliance and that the certification remains current.

The Industrial Hygiene professionals maintain several certifications in disciplines related to environmental and industrial hygiene. With continuing education, the staff remains current on regulatory requirements and best practices for the respective programs mentioned and other responsibilities as tasked.

“We are proud of our achievements related to environmental management and protection,” said Hopperton. “We are also committed to continuous improvement, and we constantly look for ways to make our employee safety and health programs even more effective and will continue to do so in the future.”

## Burns & McDonnell Enters into Agreement with BWX Technologies (BWXT) to Further the BANR Microreactor

### Submitted by Burns & McDonnell

Burns & McDonnell has entered into an agreement with BWX Technologies Inc. (BWXT) to further the design and development of microreactors that can provide thermal and electric power. The BWXT Advanced Nuclear Reactor (BANR) is a passively safe design that can power remote facilities such as those currently being evaluated by the Wyoming Energy Authority (WEA) while simultaneously providing economical, secure, carbon-free sources of heat and electricity. Burns & McDonnell will assist BWXT in developing the balance of the plant (BOP) systems for the microreactor, generating the power plant layout and performing preconstruction planning.

This project marks a significant step in advancing energy solutions in Wyoming while providing reliable energy to aid existing power generation. The current phase of the WEA study is exploring the feasibility of developing a nuclear market in Wyoming by using the existing supply chain for component manufacturing and assembly. This project will also further the development of a carbon-neutral baseload heat and power source that can be deployed for industrial users such as mining.

“There’s been tremendous support as we’ve explored the potential opportunities for deploying microreactors in Wyoming,” says Joseph K. Miller, president of BWXT Advanced Technologies LLC. “We look forward to taking this next step with Burns & McDonnell to advance our designs and the nuclear industry overall.”

Burns & McDonnell is leveraging its experience in the commercial power industry to support BWXT’s microreactor development activities. Burns & McDonnell’s project scope includes developing the power cycle architecture and identifying critical components such as the steam turbine generator and air-cooled condensers. Burns & McDonnell scope also includes site integration design and support for steam and power distribution infrastructure and reactor building structures.

“Through this project, Burns & McDonnell continues its commitment to advancing nuclear technology in the power industry and is excited to work with BWXT, a premier nuclear manufacturer that’s been designing, building and delivering reactors for decades,” says Scott Strawn, vice president and general manager of the Power Group at Burns & McDonnell. “This project has so many unique aspects to it, including cogeneration, which would be the first domestic nuclear application that produces both electricity and steam for industrial use.”

Burns & McDonnell and BWXT completed phase one of this project in early 2024. Phase two is set to be completed by the third quarter of 2025.

**About microreactors:** Representing the smallest category of nuclear reactors, microreactors typically produce less than 20 megawatts of electrical power. Their small size allows them to be fully assembled and tested by the manufacturer, then transported by truck to their use location. This advantage minimizes the costs and risks associated with on-site construction. Microreactors have the unique ability to provide around-the-clock carbon-free heat and power, which allows them to play a crucial role in the future of sustainable energy for any potential user aiming to decarbonize.

### About Burns & McDonnell

Burns & McDonnell is a family of companies bringing together an unmatched team of more than 14,000 engineers, construction and craft professionals, architects, and more to design and build our critical infrastructure. With an integrated construction and design mindset, we offer full-service capabilities. Founded in 1898 and working from 75 offices globally, Burns & McDonnell is 100% employee-owned. Learn how we are designed to build.

## Huge Progress Made at AMC and Big News from North Wind

### Submitted by North Wind Group

Construction presses on at the Advanced Manufacturing Collaborative (AMC) located on the campus of USC Aiken. To mark a recent significant milestone, North Wind Construction Services held a Safety Award lunch and ceremony at the AMC project on June 27th. The luncheon celebrated 155,000 man-hours worked without incident by the North Wind Construction Services Team and their subcontractors.

Set to be completed in the summer of 2025, the AMC will combine the unique capabilities of the DOE national laboratories, industrial enterprises, and educational institutions to drive practical, cost-effective solutions to many of the nation's most challenging environmental cleanup and energy security challenges while supporting the long-term sustainability of the United States manufacturing sector. The facility is being built on the University of South Carolina Aiken campus.



*Recent photo of progress at the AMC facility, which will foster modern industrial practices, advancing new technologies and providing grounds for training the future manufacturing workforce with a focus on chemical and material manufacturing. Photo provided by B.L. Harbert.*

### North Wind Group is pleased to announce the new appointments of a few key presidential roles:

- **Scott Hartford** has been appointed to serve as LBYD Federal's President, leveraging his over 35 years of expertise in facility engineering and federal contracting, along with his distinguished service as an Air Force veteran.
- **Paul Adams** has been appointed as President of North Wind Services and North Wind Mission Support Services, bringing over 25 years of experience in commercial and government project management and business development in engineering, information technology, waste management, project controls, and radiological protection services.
- **Jade Dye** has been appointed as President of North Wind Dynamics and North Wind Operations Management. Jade assumes his new role strengthened by a career of over 30 years, with over 18 of them at North Wind. In his latest capacity, he led the finance and accounting departments as Chief Financial Officer (CFO) for six years.



The Department of Energy sites Portsmouth (PORTS), and the Moab Uranium Mill Tailings Remedial Action Project (UMTRA), are among a group of award winners who collectively cut greenhouse gas emissions last year by more than 565,000 metric tons of carbon dioxide equivalents. The EPEAT Purchaser Awards program recognizes organizations that demonstrate sustainable leadership by purchasing electronic products that conform with EPEAT Ecolabel criteria. North Wind Dynamics and North Wind Portage are both proud to play significant roles in prioritizing environmentally responsible purchasing at these sites!

North Wind is actively seeking talent to fill key positions all over the country as the company has seen significant growth in the last several years. To view or apply for current career opportunities, visit: [www.northwindgrp.com/careers](http://www.northwindgrp.com/careers).

For more information, visit the North Wind website at [www.northwindgrp.com](http://www.northwindgrp.com).



# 33rd Annual Teller Lecture

## October 24th, 2024

### Columbia County Expo Center

## With John B. Williams

John B. Williams is the Senior Vice President of Technical Services and External Affairs at Southern Nuclear Operating Company, overseeing key areas such as Regulatory Affairs, Fleet Outage Services, and External Communications. With over 25 years in the nuclear industry, John has led major projects, including the construction of Vogtle Units 3 & 4, the first new U.S. nuclear units in over 30 years. He holds a nuclear engineering degree from Georgia Tech and has received multiple awards for his contributions to nuclear innovation.



**5pm – 6:30pm: Public Reception and Nuclear Technology Expo**  
**6:30pm – 8pm: Dinner, lecture, & award ceremony**

Make sure to allow time for traffic.  
Tickets required. Seating is limited.

Email CNTA at [office@cntaware.org](mailto:office@cntaware.org) **before October 11** to RSVP (or purchase tickets online & RSVP automatically).



\*Tickets are \$50/person. CNTA members get 1 free ticket to private reception (will also be from 5pm – 6:30pm at the Expo center).

\*Teachers & students invited to attend for free. Contact us for details and to RSVP.



**Citizens for Nuclear Technology Awareness**

1204 Whiskey Road, Suite B.

Aiken, SC 29803

(803) 649-3456

[office@cntaware.org](mailto:office@cntaware.org)

[www.cntaware.org](http://www.cntaware.org)

## CNTA COMMITTEE INFORMATION

Detailed information on ALL of our committees available at: <https://cntaware.org/committees/>

### Communications Committee

The Communications Committee is responsible for ensuring accurate and timely information to the media, stakeholders, and the public and to reflect the goals and objectives of CNTA.

- Chaired by Lindsey MonBarren.
- Meets about 4 times a year.
- Writes press releases throughout the year.

### Education Committee

The goal of the Education Committee is to educate the public on the benefits, uses, and truths of nuclear technology. This is done through several initiatives: "Bringing Nuclear into the Classroom," Nuclear Blitz teach-ins, Lifelong Learning Academy teaching, and awarding the many scholarships and awards to students and teachers.

- Chaired by Aherial Polite
- Meets on the 2nd Monday of the month at 5pm.
- Coordinates all education outreach activities.
- The Maher Memorial Scholarship Committee, the Speakers Bureau, and the committees that judge the essay contest and educator grants applications are subsidiaries of this committee.

### Young Professionals Committee

The purpose of the Young Professionals Committee is to recruit and engage young professional members by providing them with mentorship and professional development opportunities as well as raising money to make membership free for those under 40.

- Chaired by Kenny Lee
- Meets periodically throughout the year.
- Coordinates the Oyster Roast and Tap Into Nuclear Series.

In addition to the standing committees above, CNTA also has:

- **Membership committee-** aims to create innovative initiatives to provide and promote value to members, retain current membership, and attract new members.
- **Golf Tournament committee-** coordinates and plans each year's golf tournament. The golf tournament is always held the Friday before Mother's Day.
- **Awards committees-** The Distinguished Scientist Award, the Nuclear Service Award and more are chosen by groups of volunteers. The volunteers on these committees are chosen by the existing committee and chair.

**CNTA is volunteer driven and mission focused. We cannot continue the work we do without YOU!**

**Consider how you can actively participate in helping CNTA as we enter our 33rd year.**

## Thank You Business Members!

### DIAMOND

**SAVANNAH RIVER NUCLEAR SOLUTIONS**

### PLATINUM

**SAVANNAH RIVER MISSION COMPLETION**

### GOLD

**AMENTUM**

**ARTHUR RICH**

**BATTELLE SAVANNAH RIVER ALLIANCE**

**CENTERRA-SRS**

**FLUOR MISSION SOLUTIONS**

**HII-NUCLEAR**

### BUSINESS MEMBERSHIP INFORMATION

Through a business sponsorship you support every avenue of education and advocacy we do. All our smaller education and community outreach activities are funded through these revenues. These resources allow networking with educators to ensure we are meeting their needs in the classroom, allow us to send experts into the classrooms when requested, and ensure the next generation workforce is prepared for life after school. CNTA does not work without this support!

Membership levels in CNTA comes with advertising on our Website, at our events, and in our Newsletter (which you have an opportunity to provide articles about what your organization/company is doing). All business memberships also come with one individual sustaining membership to CNTA.

Find out more at: <https://cntaware.org/business-membership/>

#### **Business memberships are categorized as follows:**

Diamond: \$25,000 or more

Platinum: \$10,000-\$24,999

Gold: \$5,000-\$9,999

Silver: \$2,500-\$4,999

Bronze: \$1,000-\$2,499

Business: \$500-\$999

### SILVER

**JACOBS**

### BRONZE

**APPLIED RESEARCH CENTER**

**ATKINS**

**BECHTEL**

**BWXT**

**BURNS & McDONNELL**

**MERRICK & COMPANY**

**NORTH WIND GROUP**

**ORANO**

**SOUTHERN NUCLEAR-**

**PLANT VOGTLE**

### BUSINESS

AvanTech

Café Scientifique

Carolina Burglar & Fire

Edgewater Technical Associates

IONEX

Longenecker & Associates

Management Solutions

Munns Advisement

Omega Technical Services

Parvati Government Services

Security Federal Bank

SRS Museum

SRSCRO

UniTech Services Group

Waseyabek Federal Services

Western SC

WesWorks

All Business Partners of CNTA are emailed our Business Partnership Opportunities Package in January to help their planned giving for the year. This lays out all of our planned activities and potential sponsorship opportunities.

If you'd like receive a copy, email [office@cntaware.org](mailto:office@cntaware.org).



## Thank you Individual Members!



### Advocate Level Members

Fred Beranek	Todd Lista
Henry Bolen	Nick Miller
Gregory Farley	Thomas Nance
David Fauth	Jeremy O'Donnell
Jack Goldenberg	Scott Poole
Matthew Griffin	Sharon Rickman
Charles Hansen	Wayne Rickman
Lyddie Hansen	Kent Rosenberger
Richard Izard	Steve Sheetz
Nathan Jones	Robert Sindelar
Emily Kirk	Dale Sivils
Scott Kirk	Tammy Taylor
Jeff Leita	Brandon Thorne
Larry Ling	

### Individual Membership Information

Memberships in CNTA are the lifeblood of CNTA.  
We don't exist without your support!

Apply online today at:

<https://cntaware.org/individual-membership/>

### Champion Level Members

Jeff Allender	Ben Kinlaw
Kim Cauthen	Jesus Mancilla
Paul Cloessner	Christopher Noah
Paul Ebel	David Olson
	Jon Wickliffe

### Membership Levels

- \_\_\_ Champion- \$500  
Champions receive all benefits below, plus name listing on our website.
- \_\_\_ Advocate- \$250  
Advocates receive all benefits below, plus recognition in printed materials and at events.
- \_\_\_ Benefactor- \$125  
Benefactors receive all benefits below, plus one ticket to the Teller Lecture & invitation to private reception.
- \_\_\_ Patron- \$70  
Patrons receive all benefits below, plus half-off one ticket to Teller Lecture.
- \_\_\_ Supporter- \$35  
Supporters receive invitations to all events, CNTAware newsletters, and one free entry to the Members' Mixer.
- \_\_\_ Young Professional (under 40) / K-12 Educators/ Student Membership is Free!  
Same benefits as the supporter level!

*All CNTA members receive \$2 discount on Up & Atom tickets purchased online.*

**CNTA is a 501(c) 3 non-profit organization, Federal Tax I.D. #57-0953103**  
Sponsorship dues and contributions are tax deductible

**Yes – I want to support *Citizens for Nuclear Technology Awareness* as it seeks to provide a credible source of information on nuclear-related topics and technologies to the CSRA and beyond. I support CNTA's efforts in our schools and in our community to improve the understanding of how vital nuclear technology is to our society.**

## About CNTA

### Mission

CNTA serves to educate the public by providing objective information on the value of nuclear technology with respect to our health, economy, environment, and national security.

### Vision

CNTA will become the recognized avenue for the collective engagement of its members in increasing the awareness and support of nuclear technology and its benefits to the public.

### Value

Through inclusiveness and engagement, CNTA and its volunteers create a voice to provide the public with factual, objective information on nuclear subjects, while also providing opportunities for its members' personal and professional growth.

## CNTA's BOARD OF DIRECTORS

### Current Board Members

**Chair-** Forest Mahan

**Vice Chair-** Jesus Mancilla

**Treasurer-** Charles Hansen

**Past Chair-** Steve Sheets

Jeff Allender

Sally Bartelmo

Dean Campbell

Paul Cloessner

Musa Danjaji

Susie Ferrara

Jhivaun Freeman-Pollard

Michele Harmon

Joyce Hopperton

Fred Humes

Natalia Johnson

Scott Kirk

Kenny Lee

Joel Leopard

Karl Lutterloh

Scott McKay

Nick Miller

Lindsey MonBarren

Charles Munns

Aherial Polite

Booboo Roberts

Azi Samadi

Braxton Smith

Daren Timmons

John Veldman

Tim Worrell

CNTA's Board of Directors consists of 30 individuals committed to steering the organization as we strive to be the voice of truth on nuclear matters.

Board members serve three-year terms and are chosen by sitting board members.

The bylaws of the organization and the board meeting schedule are available on the website.

Nominations for new board members for calendar year 2025 will open in September and run until October. If you'd like more information reach out!

James Corley, Ex-Officio  
Walt Joseph, Ex-Officio

### Directors Emeritus

Clint Wolfe  
James Marra

### CNTA Staff:

**Executive Director-** Allison Hamilton Molnar  
**Nuclear Technology Advisor-** James Marra  
**NuWaDi Project Director-** Christopher Noah  
**Communications Coordinator-** Shelby Henstra

## HOW YOU CAN HELP

**CNTA as a charitable non-profit organization can ALWAYS use help.**

### Opportunities include:

- Donate Items for Raffles/Auctions
  - Donate to Our Community Gift Card Program!
  - Donate to CNTA as a charitable non-profit (<https://cntaware.org/about-us/>)
- Volunteer your time
  - **Get involved with a CNTA Committee (committee information on page 16)**
  - Help the CNTA Education Committee revamp our educational outreach
  - Help CNTA expand their reach on social media
  - Volunteer to help in our Office (there is always work to be done there!)
  - Be an event-specific volunteer
  - Be an education committee contest judge or outreach volunteer
- Sponsor a 2025 Event or Education Outreach!

For information email us at [office@cntaware.org](mailto:office@cntaware.org)

## CNTA CALENDAR OF EVENTS

- **September 12, 2024-** Up & Atom- Mr. Travis Chapman, Director, Regulatory & Licensing, BWXT. 7:30am at Newberry Hall in Aiken SC.
- **October 9, 2024-** Up & Atom featuring SRNL. 7:30am at Newberry Hall in Aiken SC.
- **October 12, 2024-** 6th Annual Oyster Roast & Low Country Boil. Hosted by CNTA's Young Professionals Committee. 6:30pm at Palmetto Golf Club in Aiken SC.
- **October 19, 2024-** Fall Fission Festival. SRS Museum. Details TBA.
- **October 21-25-** Nuclear Science Week. Activities will be happening across the world & right in our own communities. Learn More at: <https://www.nuclearscienceweek.org/>
- **October 24- 33<sup>rd</sup> Annual Teller Lecture-** John B. Williams, Senior Vice President of Technical Services and External Affairs for Southern Nuclear Operating Company will Keynote. 5pm-6:30pm Reception & Expo, 6:30pm Dinner & Lecture. [Columbia County Exhibition Center in Grovetown GA.](#)
- **October 26, 2024-** SEED Stem Festival-10am-3pm. USC Aiken.
- **November 20, 2024-** Up & Atom featuring the Apprenticeship Program. 7:30am at Newberry Hall in Aiken SC.
- **December 12, 2024-** Night of Giving Back. 5:30-7pm at the SRS Museum in Aiken SC. Bring donations for local nonprofits & CNTA will donate them for you. A chance to give back to our community during the holidays!
- **May 9, 2025-** 23<sup>rd</sup> Annual CNTA Charity Golf Tournament. [Houndslake Country Club in Aiken SC.](#)

\* Events in green are outreach events you will find CNTA volunteers at. Those in black are CNTA hosted events.

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[www.cntaware.org](http://www.cntaware.org)

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Twitter  
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