

“The Citizen’s Nuclear Voice”

CNTAWARE



Blue Ribbon Commission—What Are We Waiting For?

By Clint Wolfe

What’s Inside:

- New Vice Chair of CNTA announced
- September Up & Atom
- Bill Wabbersen receives award
- Georgia Tech Host ANS Student Conference
- CNTA Sponsor announcements & photos
-and more!

Recently, it was my privilege to provide testimony to our President’s Blue Ribbon Commission (BRC) on America’s Nuclear Future. The Commission is hearing from panels made up from advocates of nuclear energy, anti-nuclear organizations and industry leaders in the field relative to preparing a comprehensive review of policies for managing the back end of the nuclear fuel cycle.

My testimony was before the subcommittee on “Reactor and Fuel Cycle Technology.” The members of the subcommittee were former senator Pete Domenici, Brent Scowcroft, president of the Scowcroft Group, and former national security advisor to Presidents Gerald Ford and George H.W. Bush, Dr. Per Peterson who is Professor and Chair of the Nuclear Engineering Department at the University of California in Berkeley, Susan Eisenhower, President of the Eisenhower Group, Inc., Dr. Allison Macfarlane, Associate Professor of Environmental Science and Policy at George Mason University, Dr. Richard Meserve, president of the Carnegie Institution and former chairman of the U.S. Nuclear Regulatory Commission, Phil Sharp, former 10 term congressman from Indiana and president of Resources for the Future, and Dr. Albert Carnesale, Chancellor Emeritus and Profes-

sor at the University of California, Los Angeles (UCLA).

My impressions of the session were that the commission was going to be very supportive of pursuing new technology in the area of small modular reactors, reactors that use used fuel as their original fuel and recycling technologies to maximize the energy contained in nuclear fuel. Maybe it was wishful thinking on my part, but the vibes were good. I have copied below a summary of the opening panel’s remarks provided by blogger Rod Adams published in his blog, “Atomic Insights.”

“I have just had the pleasure, and sometimes the frustration, of observing two days worth of hearings by the Reactor and Fuel Cycle Technology Subcommittee of the Blue Ribbon Commission on America’s Nuclear Future. The venue for the sessions was the Washington Marriott Hotel on 22nd Street, NW, just north of Pennsylvania Avenue. You can find the full agenda for the meeting on the web. At some point, the archive of the meeting video should be available on the subcommittee web site.

The following subcommittee members attended at least part of the meeting: Former US Senator Pete Domenici – Co-Chairman, Per

Peterson – Co-Chairman, Brent Scowcroft - Ex Officio, Al Carnesale, Susan Eisenhower, Allison Macfarlane Richard Meserve, Phil Sharp.

On August 30, 2010, the meeting started off with a session titled *Opportunities in Reactor and Fuel Cycle Technologies*

- Dr. Alan Hanson, Executive Vice President Technologies and Used Fuel Management, AREVA
- Mr. Jack Fuller, Chairman of the Board, GE Hitachi Nuclear Energy
- Dr. Kate Jackson, Chief Technology Officer, Westinghouse
- Mr. Alan Dobson, Senior Vice President, Energy Solutions
- Dr. Edwin Lyman, Senior Scientist, Union of Concerned Scientists
- Dr. Marvin Resnikoff, Senior Associate, Radioactive Waste Management Associates

Here is a very brief summary of the presentations. Dr. Hanson described the experience and continuous process technology development that has enabled Areva to build a successful



Wayne Rickman,
CNTA Board of Directors Vice Chair

NEW CNTA VICE CHAIR ANNOUNCED

We are very pleased to announce that Wayne Rickman has accepted the position of Vice Chair for CNTA. Wayne will bring the needed balance to round out the Executive Committee and Board of Directors.

Wayne hales from Neosho, Missouri where he graduated from Neosho High School in 1955. He attended the US Naval Academy graduating with a Bachelor of Science degree in 1959. He received a Master's degree in Computer Management from US Naval Postgraduate School in Monterey, California in 1970.

During his 31 years in the Navy, he had tours on destroyers and in nuclear submarines. He commanded the USS Henry Clay (SSBN-625) and was fortunate to command the commissioning crew of the USS Michigan (SSBN-727), the second Trident Submarine. After an assignment as Special Assistant to Director, Naval Nuclear Propulsion, DOE, he was selected to the Rank of Rear Admiral (LH). He then commanded the Naval Submarine Group NINE in Silverdale, WA. He completed his Naval Service at Commander Training US Atlantic Fleet, where he was responsible for 14 Training centers and afloat training from Rhode Island to the Panama Canal.

Upon his retirement in 1990, he joined Sonalysts Inc. (a broad-based consulting company) where he became Vice President for Nuclear Operations. He consulted with the Department of Energy on various phases of management. His work started with DOE and K Reactor restart. It evolved into Operational Readiness Reviews (ORR) at all the major DOE sites. He also conducted training reviews through out the DOE major facilities. He was heavily involved with DOE Headquarters in execution of Integrated Safety Management verification reviews. He also assisted in operational improvements at the Los Alamos National Laboratory (LANL) TA-55, Pacific Northwest National Laboratory, and Westinghouse Hanford Company at the Plutonium Finishing Plant. After 10 years with Sonalysts, he formed Rickman Group and continued with similar work assignments.

He lives in Aiken with his wife Sharon and is active in community activities.

DOE 2010 ISM WORKSHOP

CNTA was invited to attend last week's "Pathways to New Missions" DOE 2010 ISM Champions Workshop held at the Augusta Marriott. Many companies were represented and it was expected that over a thousand people would be attending. We felt it was a good opportunity to get the "CNTA" name out there. We had a table with information and membership applications. Thanks to Steve Sheetz, John Pullen, Brad Swanson and Dean Sackett for taking time out of their schedules to 'man' the table. They reported that many, many people stopped by to see what we were about and took applications....let's hope they send them in.



SEPTEMBER UP & ATOM BREAKFAST

On September 29th is the date of our next Up & Atom Breakfast with guest speaker Doug Dearolph, Manager of the Savannah River Site NNSA office. Invitations to the event have been sent to the CNTA membership and we are taking reservations....so if you haven't already signed up, please do so soon.....see you there!

LUNCH & LEARN



Plutonium 239

On Aug. 17th, Clint gave a Lunch & Learn presentation to a Shaw AREVA MOX Learning Management System group. About 25 attended the session entitled "Destruction to Production....a story about Swords to Plowshares." The 25 minute presentation traced the history of the nuclear weapons program from the mid-1930's through WWII, through the arms race, the cold war, the near misses, the collapse of the Soviet Union, and the subsequent agreements between Russia and the U.S. to begin the long hopeful process of retiring nuclear weapons. The subsequent conversion of former Soviet HEU based weapons (aimed at the U.S. and our allies) into commercial nuclear fuel now provides for 50% of the nuclear

energy produced in this country. Plutonium based weapons were also dismantled and agreements negotiated to make the material unfit for future weapons use. These agreements led us to commit 34 metric tons of Plutonium to the preparation of MOX fuel. Other Plutonium sources may increase that amount by 25-30%. We should be proud of the service that SRS rendered in winning the cold war, but that pride is even more appropriate as the Shaw AREVA MOX team prepares the Mixed Oxide Fuel Fabrication Facility for the final chapter of the storybook ending to "Destruction to Production...a story about Swords to Plowshares."

Employee of the Quarter

Employee of the Quarter - Bill Wabbersen



Congratulations to Bill Wabbersen who was recently presented the Employee of the Quarter Award by Dr. Don Cook, Deputy Administrator for Defense Programs. Bill's photo is now located prominently in the Forrestal Building in Washington, D. C.

Bill is a continuous improvement expert in Tritium Programs. This quarter, Bill completed his dream of providing a unique, hands-on "Interactive Nucleus" display designed for use at the National Science Center in Augusta. CNTA was co-sponsor of the display and reported the unveiling of the display in the June newsletter, along with additional photos of the display.



Georgia Tech to Host 2011 American Nuclear Society Student Conference

The Georgia Tech Student Section of the American Nuclear Society is honored to host the 2011 American Nuclear Society Student Conference. The conference will take place April 14-17, 2011 with events hosted primarily at the Hyatt Regency Atlanta.

The annual American Nuclear Society Student Conference is the nation's premier venue for student professional development in nuclear science and technology. Students working in nuclear science and technology-related disciplines gather with industry professionals to share and exchange research and ideas that are critical to the growth of the industry. The conference is an ideal occasion for students to interact with professionals, hear world-class speakers, network with recruiters, and gain real-world perspectives. Student and professional participation in the conferences has surged in recent years as the nuclear industry continues to experience its renaissance. In fact, the 2010 Student Conference at the University of Michigan had a record-setting 665 attendees! This ever-increasing interest in the student conferences provides unique opportunities for industry and academic collaboration and partnership.

Integrating the successes of previous conferences with the unique opportunities available to Georgia Tech, we plan to take the conference one step further. Below is a preliminary breakdown of events:

Seminars and Workshops – A variety of technical and non-technical sessions focusing on unique topics will be offered throughout the conference

Exhibit Fair – The best recruitment or advertising opportunity is the student conference exhibit fair! Interact with over 500 of the brightest students in the nation.

Student Research Presentations – Students will be showcasing their research through a variety of topic tracks.

Professional Keynote Addresses – Talks and presentations from prominent industry professionals and scientists will bring distinctly experienced perspectives to the conference.

Second-Annual Public Forum on Nuclear Energy – Expanding on the success of the University of Michigan, a public town hall style meeting will be held with a panel of leading industry professionals to answer questions about and encourage the support of the nuclear industry.

Alvin W. Vogtle Electric Generating Plant Tour – Come see the Nuclear Renaissance at work!

Explore Atlanta Day – Catch a glimpse of all the opportunities Atlanta has to offer!

A successful student conference depends on the continued support of the nuclear industry. CNTA has been a vital part of the industry, serving as the voice of nuclear support in the Southeast. The Georgia Institute of Technology cordially invites you to participate in the 2011 ANS Student Conference. There are many opportunities for involvement, including recruitment, sponsorship and advertisement, workshops and seminars, professional keynote presentations, judging, and tours.

For more information, please visit the Student Conference website at <http://gtans.org>. We look forward to seeing you in April!

By Amy Varallo

....Continued from Front Page

nuclear fuel recycling program that removes the 4% of used fuel that is fission products and isolates it using a vitrification process in glass logs. Those glass logs are stored in silos under the floor of a building about the size of a high school gymnasium.

Aside: One of the few regrets I have about the trip I took to see Areva's fuel cycle facilities in June of 2010 (as a guest of the company) was that we were running short of time before our scheduled train. We were not able to visit the interior of the building above the glass logs; I really wanted to be able to say I had walked across of all of France's nuclear waste. **End Aside.**

The remaining 96% of the fuel is repurposed. The 1% of the material that is plutonium is separated and used as the fissile material for new fuel elements. It takes the Pu from 7 used LEU fuel elements to make a single MOX fuel element. The 95% of the material that is uranium is reenriched for use in new commercial fuel elements. According to Dr. Hanson's presentation, Areva's experience has been that the system obtains approximately 25% more energy from a given input of uranium on the first recycle pass. That does not count any energy that may be recovered if the used MOX fuel elements are recycled into a fast reactor.

The only components of this cycle that Areva considers to be true waste and destined for a geologic repository are the fission fragments contained in the vitrified glass logs. (Kirk Sorensen, who blogs at Energy from Thorium and NNadir, a blogger who used to write on Daily Kos have written about the actual composition of fission products; neither of them believe that even the fission product portion of the fuel leftovers should be considered to be waste.)

Mr. Jack Fuller, Chairman of the Board of GE Hitachi Nuclear Energy described his company's long experience and joint ventures in developing boiling water reactor technology, sodium cooled fast reactors and laser enrichment. He then focused on the PRISM, a 330 MWe sodium cooled fast reactor design that uses metallic alloy fuel. That concept evolved out of experience gained as part of the Experimental Breeder Reactor II (EBR-II) project and its later refinement in preparation for an Integral Fast Reactor using pyroprocessing of the used fuel. The goal of pyroprocessing was/is to keep waste production to a minimum while enhancing uranium utilization to a projected level of 90% of the input material, which compares favorably (understatement) with today's level of about 0.5%.

Ms. Kate Jackson, Chief Technology Officer at Westinghouse, described her company's long experience with pressurized water reactors, its experience with sodium cooled fast reactors at the Fast Flux Test Facility (FFTF) and participation with the Clinch River breeder reactor program. She also described the company's current interest in recycling technology.

One of the key ideas that I took away from her talk was a need for a future waste program to develop ways to encourage fuel suppliers to take the eventual waste form and volume into account at the front end. She described how there were paths of improvement that suppliers could take, but there was no economic incentive to do so with the current government controlled and mandated cost of one mil per kilowatt-hour - no matter what - on the back end.

Mr. Alan Dobson, Senior Vice President of EnergySolutions had to start his presentation by answering a question from Senator Domenici. Senator Domenici asked Mr. Dobson to introduce EnergySolutions, since he was not familiar with the company. Mr. Dobson said he would be happy to do so, but only had 10 minutes to speak and that was not a planned part of his presentation. Senator Domenici demonstrated one of the reasons why he had been an effective committee chairman for so many years by disarmingly telling Mr. Dobson to go ahead and answer the question and he would not start the 10 minute clock until after that was finished.

EnergySolutions is a nuclear waste specialty company that has been formed through several acquisitions over the past half a dozen years. It is a household name for Utah Jazz and Golden Eagle fans; those professional sports teams play in the EnergySolutions Arena in Salt Lake City.

Mr. Dobson, who was once part of a British Nuclear Fuels, Ltd. (BNFL) unit purchased by EnergySolutions, described some of the recycling and materials research that his company has been investing in for the past several years. He did not go into great detail, but expressed the fact that EnergySolutions was interested and capable of supplying technology and services that would reduce waste volumes and put useful material into a form that would be reusable as fuel.

After all of the hopeful, positive and heart warming information provided by the first four speakers, the commission moved on to the rest of the panel. Dr. Lyman started off his talk by categorically stating that the Union of Concerned Scientists is neither pro-nuclear nor anti-nuclear. He then proceeded to describe why he and his organization thought that nothing that any of the previous companies

had described was of any interest and was not something that the UCS would support.

Dr. Resnikoff described the history of the West Valley nuclear fuel recycling operation in New York near Rochester, and then proceeded to describe why he believed that a project started in 1963 and halted as uneconomic in 1967 proved that nuclear fuel recycling was a bad idea that should never again be attempted.

If I avoided trying to do everything that I had not mastered by 1967, I would have never moved past addition and subtraction and I would still be reading very simple paragraphs. (I was in the second grade in 1967 and am now a grandfather who has just retired from a 29 year career as nuclear trained naval officer.) It is a good thing that Steve Wozniak and Steve Jobs did not stop thinking about the improvements that might be made in computers after 1967 - they did not start thinking about the Apple I until at least a half a dozen years after West Valley stopped operating."

Thanks to Rod Adams for his permission to reprint his material.

My panel dealt with the role of communities and local governments in Reactor and Nuclear Fuel Cycle Technology. My 10 minute statement can be viewed on the CNTA website and the entire afternoon panel discussion can be viewed on the Blue Ribbon Commission website. My general impression (again perhaps influenced by my personal views) was that the anti nuclear crowd appeared even less credible than usual with the NIRS spokesperson's claim that one photon can start a fatal cancer drawing raised eyebrows above rolled back eyes from attendees.

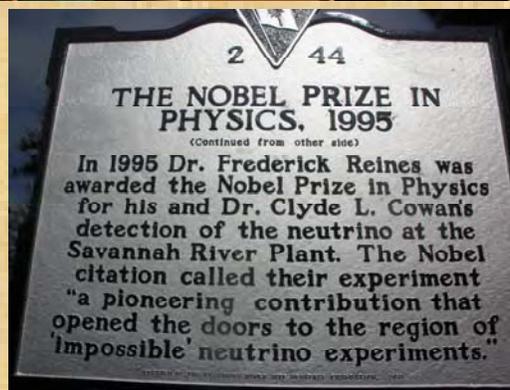
Several hallway conversations were most productive and lunch with the chairman of the Nye County, Nevada commission confirmed my belief that the locals around Yucca Mountain are very supportive of the project.

In my remarks I invited the commission to come to Aiken and see firsthand how our community has played a role in the partnership with the government at the Savannah River Site and with our nuclear industry neighbors.

We can all hope that the BRC in its draft report (due out in June 2011) will provide a basis for aggressive pursuit of our nuclear future.

CNTA CO-SPONSORS THE NEUTRINO CELEBRATION

On August 27th, the SRS Heritage Foundation hosted The Neutrino Celebration with 3 events during the day. CNTA was one of the sponsors, along with the University of South Carolina Aiken and the 175th Celebrate Aiken. An unveiling of the state historical marker designed to celebrate the discovery of the neutrino and recognize the Nobel Prize for science work done in South Carolina. The historic marker is on Richland Ave. in front of the Aiken Chamber of Commerce, at 1 p.m. a series of presentations at the Etherredge Center/USCA began with a film of a lecture made by Dr. Cowan at the US Naval Academy shortly before his death. Then a panel discussion of reminiscences and anecdotes. Dr. Frank Avignone gave a talk on "Neutrinos in Particle Astrophysics" and Dr. Sanjib Mishra spoke about "Neutrino Research using Accelerators: At 6:30 CNTA sponsored a seated banquet with guest speaker Dr. John Palms, Distinguished President Emeritus of USC. All three events were well attended by community leaders, out-of-town guests and members of the SRS Heritage Foundation and CNTA. A great time was had by all!



Next time your driving down Richland Avenue check-out the historic marker, then stop in the new SRS Heritage Foundation Office inside the Aiken Chamber of Commerce building. It's very nice!

Wackenhut Services Celebrates 50th Anniversary

By Rob Davis

Wackenhut Services Incorporated (WSI), the parent Company of the Savannah River Site security contractor, is celebrating our 50th anniversary this year. WSI was formed in 1960 in Florida as a subsidiary serving high-security United States Government customers of The Wackenhut Corporation (TWC), a U.S. corporation based in Palm Beach Gardens, Florida.

George R. Wackenhut founded The Wackenhut Corporation in 1954, and WSI was subsequently formed to specialize on services provided to the U.S. Government. From its inception, Wackenhut has focused on providing the best protection of people and property in the industry. The Corporation's history of customer satisfaction has earned us a reputation as the premier protective services organization.

WSI provides Government services in Security and Law Enforcement, Fire, Emergency Management, Facilities and Base Operations, Aviation, Mine Action Operations, Canine Operations, Weapons Reductions Activities, and Training/Consulting Operations. In 2010, the Company's revenue is expected to top \$1 billion. WSI has over 11,000 employees in 16 countries, and has a near 100% contract retention rate.



In 1983, WSI was selected in a competitive bidding process to provide security services at the 310-square-mile Savannah River Site, the Department of Energy's nuclear facility near Aiken. The Company has earned consistently high ratings from the client, and this year, was awarded a new contract to continue providing security services at the site. At WSI-SRS, we believe our success depends on the quality of our people, our commitment to service, client satisfaction, listening to and partnering with our client and in our ability to outperform our competitors in the delivery of quality and value added services in the most responsive manner.

WSI-SRS has often been the leader in implementing new capabilities and technologies, including development of the DOE pilot program for deployment of response capabilities for Weapons of Mass Destruction. Since the terrorist attacks of September 11, 2001, the focus at DOE sites has shifted from the traditional security/law enforcement model to an aggressive, tactically elite protective force. WSI-SRS has been at the forefront of that transition. WSI-SRS recently opened a new, multi-purpose firearms training range to enhance the capabilities of the protective force with a greater variety of weapons systems. The WSI-SRS emphasis on Total Quality Management has led to both National and regional recognition. The Company earned the Energy Performance Excellence Award, a Department of Energy Program that recognizes performance excellence based on Total Quality Management principles, and the South Carolina Governor's Quality Award. WSI-SRS has a talented, diverse workforce, and was awarded the South Carolina Excellence in Workplace Diversity Award.

At WSI-SRS, we also understand our responsibility extends into the communities surrounding the Savannah River Site. The Company and our employees give freely of our time, talents and resources to support those in need in local communities. WSI-SRS is a large supporter of United Way and other charitable organizations in the surrounding area, including the Golden Harvest Food Bank, American Red Cross, Habitat for Humanity, American Heart Association, and numerous other organizations that provide educational, health care, or family support.



SRR Employees Record 1 Million Safe Work Hours

Employees of Savannah River Remediation (SRR) LLC, the liquid waste contractor at the Savannah River Site (SRS), have now worked more than one million hours without a lost day of work due to an injury.

The milestone was reached in early August. A typical organization in the waste management and remediation business records an average of 5 injuries requiring days away from work in the span of one million hours worked.

“Safety is the DOE expectation for all work,” said Terrel Spears, Assistant Manager for Waste Disposition Project, Department of Energy (DOE) Savannah River Operations Office. “It is something we must all learn from the start, and I congratulate the SRR Team for doing their part to maintain that focus and achieve a notable, injury-free workplace.”

A lost workday case is defined as any work-related injury or illness that results in days away from work. This milestone continues a long tradition by liquid waste employees operating and maintaining critical cleanup facilities and being recognized nationally as one of the safest projects in the DOE complex.

“Liquid waste employees at SRS perform their jobs around some of the most hazardous work imaginable,” said Jim French, SRR President and Project Manager. “The safety performance by our employees is a testament to their determination to do the right thing and work safely everyday.”

SRS is owned by DOE. The SRS Liquid Waste contract is managed by SRR and is composed of personnel from a team of companies led by URS with partners Bechtel National, CH2M Hill and Babcock & Wilcox. Critical subcontractors for the contract are AREVA, Energy Solutions and URS Safety Management Solutions.



Savannah River Remediation Supports

A major gift of \$25,000 has been made to the University of South Carolina Aiken through the generosity of Savannah River Remediation LLC (SRR), a URS-led company, to support initiatives at the University with a focus on science, technology, engineering, and mathematics (STEM).

The gift was presented to the University at the first meeting of 2010-2011 for USC Aiken's Aiken Partnership Board and will support scholarships for academically-talented students in science, mathematics, and engineering.

Jim French, president and project manager for Savannah River Remediation said, “Like other technology-oriented companies, we need highly skilled employees. To meet our needs, we want the best and brightest graduates who can help us in the future. We know that through the funding of these programs USC Aiken will provide a pipeline of talent from which we can draw.”

USC Aiken Chancellor Tom Hallman said, “A major concern for our country is our ability to maintain our global technological competitive advantage in the future with fewer U.S. students pursuing degree programs in the science, technology, engineering, and mathematics fields. Through this generous gift, SRR is making a difference in the lives of students today, while making an important investment in our future.”



Photo (left to right): Dr. Tom Hallman, USCA Chancellor; Mr. Jim French, President and Project Manager for Savannah River Remediation; and Mr. Chip Marvin, President of the Aiken Partnership Board

USC Aiken is a senior institution of the University of South Carolina system. The University offers bachelor's and master's degrees to more than 3,200 students in 35 degree programs. USC Aiken is ranked the #1 public regional college in the South by *U.S. News & World Report's* guide “America's Best Colleges.” 2010 marks USC Aiken's 13th consecutive ranking among the top three in this category and its seventh time in first place.

The U.S. Department of Energy awarded the Savannah River Site's Liquid Waste contract to SRR on July 1, 2009. The SRR partnership is composed of personnel from a team of companies led by URS with partners Bechtel National, CH2M Hill and Babcock & Wilcox. Critical subcontractors for the contract are AREVA, Energy Solutions and URS Safety Management Solutions.

Plant Vogtle 3 and 4 Construction Update

by Mike McCracken

Construction of two new Plant Vogtle reactors is advancing on several fronts. Two of the most visible signs of progress seen from the highway are the cutting of a new construction access road to the site from River Road and the building of a 125-foot tall 44,000 square foot module assembly building. The module assembly building is where large sections of the plant will be delivered by train and truck, starting later this year, and where workers will assemble the components to be installed into the plant.

Also readily apparent are a newly constructed concrete batch plant (with another being built), additional construction offices, excavation and stockpiling of soils, and the staging of ten-foot diameter concrete sections of pipe that, once the new units are in operation, will circulate large volumes of water between the Vogtle 3 and 4 condensers and cooling towers.

Of particular note is the September arrival of steel plates that will make up the "bottom head" of the Unit 3 containment vessel. This is a significant milestone for Vogtle since these plates represent the first nuclear components to arrive to the site. The entire containment vessel, whose parts are being manufactured in Japan, will weigh approximately 4,000 tons. The bottom head section, once assembled, will weigh approximately 650 tons when it is lifted and placed into Vogtle Unit 3.

Some of the most common questions pertaining to Vogtle 3 and 4 are how to obtain a job and how to become an approved vendor/supplier for the project. To apply for most "construction craft" positions such as carpenters, pipefitters, electricians and laborers, interested applicants should contact a local labor union. To apply for construction engineering, project management and administrative positions, interested applicants should go to the Shaw Group Web at www.shawgrp.com/careers. The best way to seek employment with Southern Company (for construction and operations jobs) and to learn about Plant Vogtle is through the Web page www.southerncompany.com.



Plant Vogtle Unit 3 and 4 foundation excavation with Units 1 and 2 in foreground as water vapor rises from cooling towers. April, 2010.

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Two SRNS Managers Honored by National Management Association, SRS Chapter

Two Savannah River Nuclear Solutions (SRNS) managers have been honored by the Savannah River Site chapter of the National Management Association (NMA).

Charles Nickell, SRNS Director, Nuclear Material Disposition, has been named Executive of the Year by the Association. The award recognizes a senior executive who has gained significant recognition for accomplishments through personal and business actions in accordance with NMA's Code of Ethics.

Rich Izard, SRNS Manager, Site Process Control and Automation Engineering, has been named Manager/Leader of the Year.

Under Nickell's leadership, the SRS H Canyon and HB Line facilities have experienced their best safety and operational performance in recent history. He has helped to reduce facility operating costs for two years in a row through efficiency improvements, and has also provided senior leadership for the SRS Human Performance Improvement process, a major site wide safety initiative. He has represented SRNS in the 2010 Leadership South Carolina class, and has volunteered locally with organizations such as Christ Central, Area Churches Together Serving, the Heart Walk Campaign and United Way Project Vision.

Izard has been noted for his effectiveness as a leader and communicator, and for pushing new ideas to capture knowledge for use by his entire organization. He has served as Vice President of the SRS Leadership Association, during which he has introduced "webinars," has increased membership, and has worked with the SRS Heritage Foundation to bring the SRS History Series to the Association. He has also been instrumental in bringing Strength Based Workshops to the organization.

Both Nickell and Izard are residents of Aiken and members of CNTA.



Charles Nickell



Rich Izard

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Tom Young, Jr.

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- Industrial Applications including Food Irradiation
- Nuclear Production Processes
- National Security

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