

OAS wants to thank all of our presenters here at the 2025 OAS Annual Meeting in Washington, DC. Please take a moment to get to know the speakers.

KEYNOTE SPEAKER: The Honorable NRC Chairman David A. Wright



The Honorable David A. Wright was first sworn in as a Commissioner of the U.S. Nuclear Regulatory Commission on May 30, 2018. He was recently sworn in for his second term on August 1, 2025.

Before joining the NRC, Commissioner Wright served as an energy and water consultant and policy advisor on nuclear waste issues. He is a former president of the National Association of Regulatory Utility Commissioners and served as Vice Chairman and Chairman of the South Carolina Public Service Commission. He was also elected councilman and mayor in Irmo, S.C. and to the South Carolina House of Representatives.

A colon cancer survivor, Commissioner Wright is an advocate for cancer awareness and education. He is a proud father and grandfather and has enjoyed umpiring baseball for nearly 50 years. He is a graduate of Clemson University.

The Honorable Bradley R. Crowell



The Honorable Bradley R. Crowell was sworn in as a Commissioner of the U.S. Nuclear Regulatory Commission on August 26, 2022, and is serving the remainder of a five-year term ending June 30, 2027. Most recently, Commissioner Crowell served as Director of the Nevada Department of Conservation and Natural Resources, first appointed in 2016 by former Nevada Gov. Brian Sandoval and was reappointed by Gov. Steve Sisolak in 2019. At DCNR, he led approximately 1,000 employees across eight divisions with a nearly \$300 million biennial budget. Commissioner Crowell has more than 20 years of experience in the fields of energy, environment, natural resources, climate change, and national security, including executive leadership positions in federal and state government. He previously worked for multiple Members of Congress, including former Nevada Gov. and Sen. Richard Bryan (D-NV) and Sen. Sheldon Whitehouse (D-RI). Commissioner Crowell served in the Obama-Biden Administration in the U.S. Department of Energy from 2010 to 2016 and

was confirmed by the U.S. Senate in 2013 as the Assistant Secretary of Energy for Congressional and Intergovernmental Affairs. Crowell is a native of Carson City, Nevada and graduated from Santa Clara University, in Santa Clara California with a B.S. degree in Political Science.

The Honorable Mark Menezes



The Honorable Mark Menezes is the president and CEO of the United States Energy Association. Previously, Menezes served as Deputy Secretary of Energy in the Department of Energy from 2020 to 2021 and as Under Secretary of Energy from 2017 to 2020. There, he managed the national labs, the nuclear weapons programs, and the environmental remediation of nuclear test sites. He also worked as vice president at Berkshire Hathaway Energy.

Presentation: *Fireside Chat: Commission on the Scaling of Fusion Energy*

Description: An overview of Special Competitive Studies Project's Commission on the Scaling of Fusion Energy, highlighting its work to date and its intersection with key priorities of the Organization of Agreement States.

Contact information: mmenezes@usea.org; cc: hbudd@usea.org

The following speakers are in alphabetical order:

Dane Blakinger



Dane Blakinger has over nine years of experience in radiation protection, with the last five years spent working for the state of Washington. He began his career as an X-ray inspector, progressed to regulating a waste processor, and now proudly serves as the section manager for the Radioactive Materials Section.

Presentation: *Potential Overexposure to a Member of the Public*

Description: This presentation will tell the story about a radiography incident that occurred in November of 2024 involving a member of the public, failure to properly monitor for dose, and a critical miscommunication.

Contact information: Dane.Blakinger@doh.wa.gov

360-584-5345

Allyce Bolger



Allyce Bolger is an Intergovernmental Liaison Project Manager in the State Agreements and Liaison Project Branch in the Division of Materials Safety, Security, State, and Tribal Programs, Office of Nuclear Material Safety and Safeguards. In this role, Allyce provides technical support on the NRC Fusion Systems rulemaking team.

Allyce joined the U.S. Nuclear Regulatory Commission in June 2011 as a participant in the Nuclear Safety Professional Development Program. Allyce worked for several years in Region I in the positions of Project Engineer, Emergency Response Coordinator, and Allegation and Enforcement Specialist. Prior to her most recent position, Allyce was a Health Physicist performing byproduct materials inspections in Region IV. In 2011, Allyce

received a bachelor's degree in Nuclear Engineering from Rensselaer Polytechnic Institute.

Presentation: *Fusion Machine and Advance Act Updates*

Description: Overview of proposed rulemaking activities for fusion machines, ADVANCE Act Section 205 report to congress, and implementation of the Fusion Machine Vision and Strategy document.

Presentation: *How to Submit a Regulation Review Package and Incorporation by Reference (IBR)*

Description: Guidance to Agreement States on how to submit a regulation review package and best practices for incorporating by reference.

Contact information: Allyce.Bolger@nrc.gov

Alex Brown



Alex is the Branch Chief of NRC's Intelligence Liaison and Threat Assessment Branch. Mr. Brown joined the NRC in May 2023 as a senior intelligence analyst focusing on assessing terrorist threats to nuclear facilities, materials, and activities.

Prior to joining the NRC, Mr. Brown spent over 14 years at the Federal Bureau of Investigation where he served as a legal and intelligence analyst. Between 2021 and 2023, Mr. Brown served as a supervisory intelligence analyst, leading a team responsible for providing strategic analysis and threat warnings to senior U.S. government officials regarding threats from foreign terrorist organizations in Asia and the Middle East. Mr. Brown also served as a subject matter expert on homegrown violent extremism, contributing to national-level analysis and briefings during critical incidents.

Mr. Brown holds a Master of Arts in International Relations from George Mason University and a Bachelor of Science in Political Science from Shepherd University.

Presentation: *The NRC and the Intelligence Community*

Description: High-level overview of NRC threat assessment of security threats to licensed nuclear facilities

Contact Info: alexander.brown@nrc.gov

Steve Bump, CHP, CIH



Steve Bump is a Certified Health Physicist and a Certified Industrial Hygienist and is a Senior Consultant for Dade Moeller & Associates, an NV5 Company. He has over 50 years of Health Physics experience that includes over two years as a state inspector of both x-ray and radioactive material licensees. During his time with Dade Moeller, he has been involved with shielding evaluations for medical x-ray, PET Isotope generators using cyclotrons, high energy x-ray machines used for industrial purposes, and review of shielding for fusion facilities.

Presentation: *Radiation Shielding: Techniques and Lessons Learned*

Description: Describe tools and techniques to simplify shielding calculations and reviews without the loss of accuracy. Standard techniques will be described and compared.

Contact information: BSteve.Bump@nv5.com

509.308.6364

Sara Castegini



Sara Castegini joined Commonwealth Fusion Systems (CFS) in 2022. She is the Principal Global Policy Lead, Commonwealth Fusion System and is responsible for the design and execution of the company's public policy strategies across target geographies.

CFS spun out of MIT in 2018 to commercialize fusion energy on the fastest path possible and is now the largest private fusion energy company in the world with over 1000 full-time employees and more than \$2 billion in private funding from the world's leading investors in clean energy. Prior to CFS, Sara worked as Associate Director, Government Affairs & Policy, at bluebird bio, a Boston-based global biotech company, where she was part of a team that successfully

implemented new regulatory pathways for Medicare and Medicaid payments for one-time curative treatments, supporting patient access to the company's innovative gene therapies. Before bluebird bio, Sara was with LS Cube Studio Legale, a boutique international law firm in Rome, Italy. Sara received her J.D. graduating cum laude from the LUISS Guido Carli University of Rome, Italy and was admitted to the Italian bar in 2019.

Presentation: *The importance of public outreach, education and early engagement in the licensing of fusion power plants*

Description: The presentation will illustrate Commonwealth Fusion Systems' global siting process culminating in their decision to locate their ARC fusion power plant in Chesterfield County, Virginia. It will cover the engagement of state, regional and local stakeholders with a particular focus on the relationship between CFS and the Virginia Department of Health (VDH). The presentation will describe VDH's process in creating a dedicated fusion director role and their efforts to become a leading fusion regulator.

Contact information: scastegini@cfs.energy

Elaine Crescenzi



Elaine Crescenzi is a Radiation Health Physicist II at the Pennsylvania Department of Environmental Protection's Bureau of Radiation Protection (PA DEP). Elaine has been a radioactive materials inspector at the PA DEP since 2008 and was a member of the Joint Agreement State/NRC Working Group to develop licensing guidance for the NorthStar RadioGenix® System. Prior to joining the PA DEP, she worked in a radiopharmacy for twelve years where she started as a nuclear medicine technologist and later as the Assistant Manager and Radiation Safety Officer. She began her radioactive materials experience as a nuclear medicine technologist at Temple University Hospital in Philadelphia. Elaine is a registered Nuclear Medicine Technologist (N)(ARRT) and has undergraduate degrees in Environmental Science and Nuclear Medicine Technology.

Presentation: *New Theranostics – New Challenges: Lu-177 Dotatate*

(Lutathera®) Medical Event

Description: New theranostics may require new administration methods. This presentation reviews the cause and contributing factors for a Lu-177 dotatate (Lutathera®) medical event that resulted from an administration procedure error.

Contact information: Email: ecrescenzi@pa.gov

Office Phone: (484) 250-5835

Ryan Crihfield



Ryan Crihfield is a Health Physicist and Environmental Fellow with Tennessee's Division of Radiological Health. He is also a registered member of the Nation Registry of Radiation Protection Technologists, (NRRPT). Ryan has been with Tennessee since 2011 and has worked in Environmental Monitoring, Waste Management, and Emergency Services. In his current role he consults for the Division's programs on matters pertaining to radioactive material licensing, x-ray machines, inspections, emergency preparedness, waste processing, Decommissioning, IT, and other database needs. When not at work, he can be found in a campsite with his wife and daughter or on his mountain bike somewhere in the woods, hopefully with the rubber side down.

Presentation: *FedEx Hub Source Recovery, why your package was late*

Description: The presentation covers the events that led up to multiple iridium sources being ejected from their shielded containers along with their recovery and details of the investigations that followed.

Contact information: Division of Radiological Health / Davy Crockett Tower, 9th Fl / 500 James Robertson Parkway / Nashville, TN 37243

Cell: 615-812-8416

ryan.crihfield@tn.gov

Meghan Cromie, PhD, MS



Meghan Cromie has been with the Colorado Department of Public Health and Environment since 2019. As an Environmental Protection Specialist II, Meghan performs compliance inspection and licensing duties for the state. Meghan is also on the OAS Board as the Director of Emerging Issues & Advocacy. In her free time, Meghan likes to do many of the stereotypical Colorado outdoors activities like hiking and fishing.

Presentation: *Training for Agreement State Rulemaking Working Group Members*

Description: Phillip Peterson and I will be discussing changes in comment windows for proposed NRC regulations and guidance, the importance of Working Group participation, and changes in communications with Working Group members and the OAS Board.

Contact Information: P 303.692.6352 | F 303.691.7841
4300 Cherry Creek Drive South, Denver, Colorado 80246-1530
meghan.cromie@state.co.us | <https://cdphe.colorado.gov/>

Hawkins De France, PharmD



Hawkins DeFrance is the Director of Regulatory Affairs & Safety at Avalanche Energy. At Avalanche, he serves as the Corporate Safety Officer and leads the company's efforts to ensure safe, compliant, and effective operation of fusion devices, overseeing radiation safety, EHS, and regulatory strategy. Hawkins has over 20 years of experience with nuclear pharmacy, radiopharmaceutical manufacturing, particle accelerator operations, and regulatory compliance. Hawkins is Chair of the Washington State Pharmacy Commission and a leader in national regulatory circles, including his role as NABP District 7 Chair. His scientific work spans cancer genomics, cancer diagnostic imaging and public health. He has a PharmD from the University of Washington School of Pharmacy and a BS in Biochemistry / Cellular and Molecular Biology from Western Washington University.

Presentation: *Comparing Fusion Devices with Particle Accelerators*

Description: An in-depth comparison of fusion energy machines to particle accelerators and why a particle accelerator framework is the right approach for regulating and licensing fusion.

Contact information: hdefrance@avalanche.energy | <https://www.linkedin.com/in/hawkinsdefrance/>

Nathan Duff, MHP, CHP, CLSO



Nathan is the Technical Director of the Laboratory with Landauer.

Presentation: *14 MeV Neutron Detection Using Track-Etch Dosimetry*

Description: The 14 MeV neutrons utilized in (D-T) nuclear fusion reactions are among the primary concerns in Fusion Health Physics. Track-etch dosimeters utilized to measure neutron Dose Equivalent are capable of detecting neutrons at this energy. However, 14 MeV is historically at the top of the energy evaluation range for these systems. Current fast neutron dosimetry products tend to be designed toward response to the 4.2 MeV average AmBe neutron energy, with correction factors applied to account for varying neutron environments, such as nuclear power plant containment or

bare/moderated Cf-252. This talk discusses current 14 MeV neutron detection capabilities and possible improvements for higher accuracy and precision.

Contact information: nathan.duff@landauer.com Office: +1 630.812.9162

Pascal Dumont



Senior Director of Regulatory Affairs and Licensing at *Type One Energy* since summer 2023, Mr. Dumont has close to 25 years' experience in radiation protection, nuclear safety and regulatory affairs. He has held positions as Associate Director of the Radiation Protection Bureau of the Government of Canada's Department of Health in Ottawa; Canadian expert in nuclear safety at the International Atomic Energy Agency (IAEA) in Vienna, where he led more than 20 international missions in Europe and the Middle East; and Senior Regulatory Officer at the Canadian Nuclear Safety Commission. He joined *General Fusion* in Vancouver in 2022 before moving to *Type One Energy (Oak Ridge, Tennessee)*. Mr. Dumont holds a Master of Science (Earth Sciences) from the University of Ottawa, Canada.

Presentation: *Industry and States Q/A Session: Ask the Experts*

Description: Pascal is on a panel with other fusion experts. They await your questions.

Contact information: pascal.dumont@typeoneenergy.com

Sean Dunagan



Sean Dunagan is UCOR's Waste Management and Operations Director, leading all aspects of UCOR's "waste factory," a key to the company's continued success in safe waste transportation and disposal. For more than 20 years, Sean has managed contractor and federal projects for the Department of Energy at UCOR, the Waste Isolation Pilot Plant (WIPP), Carlsbad, New Mexico; and Sandia National Laboratory (SNL); Carlsbad, New Mexico.

Presentation: *Cleanup Today for a Nuclear Tomorrow*

Description: This presentation will cover the cleanup effort in East Tennessee at the Oak Ridge Reservation where UCOR continues to successfully clean up and return areas for beneficial reuse, enabling the next phase of nuclear development. This presentation will cover the history of ORR and UCOR up through current activities focusing on some of the challenges that have been encountered and overcome, including the successful disposal of over 1.8 million cubic yards of waste.

Contact information: 575-361-7096 / Sean.Dunagan@orcc.doe.gov / P.O. Box 4699, MS 7402 Oak Ridge, TN 37831

Dr. Sherrie Flaherty, MHP, DC



Sherrie Flaherty is a Senior Intergovernmental Liaison with NMSS, State Agreement and Liaison Programs Branch and the NRC's NMP Co-Champion. Before coming to the NRC, Dr. Flaherty was the Supervisor for the Radioactive Materials Unit at the Minnesota Department of Health overseeing the Agreement State program and the use of radiation therapy in the State of Minnesota.

Dr. Flaherty was with the Radioactive Materials Unit for over 17 years, starting out as an inspector and license reviewer.

Dr. Flaherty has a Master of Health Physics from the Illinois Institute of Technology and a Doctor of Chiropractic from Northwestern College of Chiropractic, along with a Bachelor of Science in Mathematics from Bemidji State University. Her previous careers include operating her chiropractic and acupuncture clinic and teaching high school math.

Presentation: *The 2024-2025 Year in Review: NMP Co-Champions Discussion*

Description: Sherrie Flaherty and Steve Seeger will discuss the Champions' highlights for the last year.

Presentation: *Train the New RCPDs*

Description: Sherrie Flaherty and Beth Shelton will provide helpful information to the new Radiation Control Program Directors. But all are welcome to attend this presentation.

Contact information: Sherrie.Flaherty@nrc.gov

Adelaide Giantelli



Adelaide Giantelli serves as the Chief, State Agreements and Liaison Program Branch, in the Division of Materials Safety, Security, State, and Tribal Programs (MSST), Office of Nuclear Material Safety and Safeguards (NMSS). Her team is responsible for the project management of the Integrated Materials Performance Evaluation Program; providing guidance to States intending to become Agreement States and reviewing new applications for Section 274b Agreements; coordinating with the Agreement States to plan and provide for the compatibility review of State regulations; and providing technical support for training of regional and Agreement State materials licensing and inspection staff. Prior to her current position, Adelaide was a Senior Project Manager in MSST managing the development of the Integrated Source Management Portfolio; including National Source Tracking System, Web-Based Licensing System, and License Verification System.

Previously, she served as Chief of the Source Management and Protection Branch in NMSS and as Team Leader for Transportation Security in NRC's Office of Nuclear Security and Incident Response. Adelaide joined the U.S Nuclear Regulatory Commission (NRC) in December 1999; she started her career at NRC as an engineer working on shielding and containment reviews for transportation packages and spent fuel storage cask designs in NMSS. Prior to joining NRC, Adelaide started her career as an engineer at an environmental services consulting company and later spent several years as an engineer/project manager at a company that designed and manufactured spent fuel storage casks and transportation packages. Adelaide graduated from Manhattan College in New York City with both a Bachelors and Masters degree in Mechanical Engineering.

Three Presentations: *State Agreement & Liaison Programs Branch Update; Let me tell you what WBL can do (including NRC Form 313) and you tell me what is missing; and Everything you need to know about the latest in RAM Transportation*

Description: Adelaide Giantelli will provide an overview of what her branch does as part of the National Materials Program and for the agreement states. She will also provide information about the new Web-Based Licensing features, and talk about the latest changes to transport of radioactive materials.

Contact information: Adelaide.Giantelli@nrc.gov

Dan Goldberg



Dan Goldberg joined the American Nuclear Society in 2017 and currently serves as Director of Programs. He oversees the Society's professional development and certification programs, membership, marketing, and K-12 outreach initiatives. A Certified Association Executive, Dan has more than 20 years of experience managing professional societies, previously working for the Association of American Diabetes Educators, Society for Surgical Oncology, Turnaround Management Association, and Smithbucklin.

Presentation: *Professional Development and Certification Program*

Description: With a projected 300,000+ jobs needing to be filled in order to meet the demands of future nuclear workforce needs, ANS has recently launched a new professional development program and a new Certified Nuclear Professional (CNP) credential. Learn about these ambitious new initiatives and how you and your employees can benefit from the CNP program and certificate courses such as Nuclear 101 and Licensing & Regulation. You'll also hear about upcoming programs and how ANS plans to address the upcoming challenges to meet the needs of the growing nuclear workforce.

Contact information: dgoldberg@ans.org

Victor Hall



Mr. Hall serves as the Acting Director of the Division of Systems Analysis (DSA) in the Office of Nuclear Regulatory Research (RES). His permanent position is as the Deputy Division Director DSA/RES.

In 2003, Mr. Hall joined the U.S. Nuclear Regulatory Commission (NRC) in the Nuclear Safety Professional Development Program. He started his career as a reactor technical reviewer, specializing in Electrical Engineering in the Office of Nuclear Reactor Regulation (NRR). He then qualified as a vendor inspector, helping to oversee the nuclear industry's global supply chain. During a one-year assignment to France's Autorité de Sûreté Nucléaire, he contributed international expertise on supply chain and nuclear facility construction. As a senior project manager in NRR's Japan Lessons Learned Directorate, Mr. Hall also contributed to safety enhancements at U.S. commercial nuclear power plants following the 2011 accident at Japan's Fukushima Dai-ichi nuclear reactors. Prior to joining NRC's research arm, Mr. Hall served as the Director of NRR's Vogtle Project Office. His team was responsible for licensing and overseeing Vogtle's AP1000 reactors, the first U.S. commercial nuclear power plants to be built in the U.S. in over 30 years.

Mr. Hall earned a Bachelor of Science in Electrical Engineering from the University of Maryland and a French baccalaureate specialized in science and mathematics. He is a graduate of the 2021 White House Leadership Development Program and a 2024 graduate of the NRC's SES Candidate Development Program.

Presentation: *Artificial Intelligence*

Description: Victor Hall will share the latest information on the use of Artificial Intelligence when it comes to NRC regulated activities.

Contact information: victor.hall@nrc.gov

Sarenee Hawkins



Sarenee Hawkins is an Office Allegation Coordinator (OAC) with the U.S. Nuclear Regulatory Commission (NRC), serving in the Headquarters Allegation Team (HQAT) within the Office of Enforcement. She manages and tracks the resolution of concerns and allegations involving NRC-regulated activities related to radioactive materials.

Sarenee has been with the NRC since 2008, initially serving as a Health Physicist in the Source Management and Protection Branch. There, she worked on source security initiatives, including the development and implementation of 10 CFR Part 37. Prior to joining the NRC, she spent 8 years at the National Institute of Standards and Technology (NIST) providing High-Dose Dosimetry calibration services.

She holds a B.S. in Physics from Southern University and A&M College and an M.S. in Health Physics from Georgetown University. Sarenee lives in Clarksburg, Maryland with her husband and three sons.

Presentation: *NRC Allegations Program with Highlights on Internet Sales of Exempt Distribution Materials*

Description: Sarenee Hawkins will provide an overview of the NRC's allegation program with a focus on internet sales of items with radioactivity.

Contact information: sarenee.hawkins@nrc.gov

Kristin Hirsch



Kristin Hirsch is the Director of the Office of Radiological Security (ORS) within the U.S. Department of Energy's National Nuclear Security Administration's (DOE/NNSA) Office of Global Material Security, a position she has held since March 2019. ORS works domestically in the United States and internationally with more than 100 global partners on the safe and secure use of radiation technology to benefit society, enhancing security by stopping adversaries from acquiring radioactive material for malicious use. ORS works to eliminate risk by removing and when necessary, replacing radioactive material with advanced technologies that do not use a radioactive source and preventing adversaries from acquiring radioactive material by pioneering security technologies and capabilities while strengthening industry, law enforcement, and government partnerships. Ms. Hirsch previously spent 3 years as the Director of the U.S. DOE office in Astana,

Kazakhstan; as a project manager for the Global Threat Reduction Initiative implementing nuclear and radiological security projects in Europe; and 3 years as an Attaché in the U.S. DOE Office in the U.S. Embassy in Moscow, Russia. She started her federal career in 1999 working for the Department of Defense. Ms. Hirsch holds a bachelor's degree in history and a master's degree in international Affairs.

Presentation: Office of Radiological Security

Description: Kristin Hirsch will introduce the new mission, vision, and strategies for the DOE/NNSA Office of Radiological Security. The presentation will highlight the progress made to date on key initiatives like the Cesium Irradiator Replacement Project, Off-Site Source Recovery Program, Silent Thunder and Isotope Crossroads Tabletop Exercise series, and Mobile Source Transit Security.

Contact Information: T: 202-586-6256 C: 202-812-5343 Kristin.Hirsch@nnsa.doe.gov

Andrew Holland



With over two decades of experience in science, energy, policy, and politics, Andrew has been at the forefront of discussions surrounding sustainable energy security and addressing climate change. Since 2021, Andrew has been the founding CEO of the Fusion Industry Association, providing strategic direction and advocating for fusion energy through direct action. Prior to his time at the FIA, he was active in policy discussions about energy security, Arctic policy, climate security, and water resources at high-profile events around the world.

As an expert in energy policy and international strategy, previously worked for the American Security Project and on Capitol Hill for Senator Chuck Hagel.

Andrew holds a MSc. in International Strategy and Economics from the University of St. Andrews and is a member of the International Institute for Strategic Studies. He lives with his family in Alexandria, VA.

Presentation: *The Global Fusion Industry*

Description: Andrew will highlight the key mission of the Fusion Industry Association and the pathway for Agreement States to be ready for fusion.

Contact information: aholland@FusionIndustryAssociation.org www.FusionIndustryAssociation.org

David Howe



David has had a 45-year career in private, non-profit and public sectors, including 9 years as a Boy Scout Administrator and 20 years in law enforcement serving in uniform, investigative and supervisory positions. In 2007 David joined the State of Oregon, Public Health Division, Radiation Protection Services as the Operations/Emergency Response Manager, and for the past 15 years has been the Program Director. He has a BS degree in Psychology and a Masters in Organizational Management.

Presentation: *The Oregon IMPEP Story.....Lessons Learned*

Description: The presentation will provide a brief overview of Oregon's IMPEP journey from being on heightened oversight to a five-year Review Cycle. The focus will be on lessons learned.

Contact information: david.m.howe@oha.oregon.gov

503-545-3100

Andrea Kock



Andrea Kock serves as Acting Director, Office of Nuclear Material Safety and Safeguards. Her permanent position is the Regional Administrator of the NRC's Region I Office in King of Prussia, PA. Ms. Kock has served the USNRC for over 25 years in a broad range of positions in both the reactor and materials areas. From 2021-2024,, Ms. Kock was the Deputy Office Director for Engineering in the Office of Nuclear Reactor Regulation (NRR). Between 2018 and 2021, Ms. Kock held positions as Directors in the Office of Nuclear Material Safety and Safeguards (NMSS) in the Division Fuel Management and the Division of Materials Safety, Security, State and Tribal Programs. Ms. Kock was selected into the Senior Executive Service in 2014, and between 2014 and 2018 served as Deputy Directors in the Division of Site Safety and Environmental Analysis in the Office of New Reactors and the Deputy Director of the Division of Decommissioning, Uranium Recovery, and Waste Programs in NMSS.

From 2007-2014, she held supervisory positions in both NMSS and NRR as the Chief of the Environmental Review Branch, Chief of the Performance Assessment Branch, and Chief of the Financial and International Projects Branch. From 2010- 2013, Ms. Kock supported one of the agency's five Commissioners, Commissioner William Ostendorff, as a Policy Advisor for Materials issues. She has prior experience in both a region (RIII) and Headquarters, having been an inspector in the RIII office from 1996 through 2004. Ms. Kock received an M.S. in Environmental Health Science with a concentration in radiological health from the University of Michigan in 1996 and was a DOE Health Physics Fellow.

Presentation: *NRC & Agreement States: A Legacy of Collaboration, A Future of Innovation*

Contact information: Andrea.Kock@nrc.gov

Kevin Kunder



Kevin Kunder started his career in nuclear medicine and patient care. He spent the next 13 years with a large manufacturer performing global nuclear medicine product support, software development, training, and marketing. After 911, he spent the next 13 years managing a large multi-facility radiology department before coming to the state's radioactive materials program in 2019. Kevin currently serves as the environmental administrator and oversees licensing and enforcement with 13 FTEs and one PTE in the State of Florida.

Presentation: *Diversion of Category 2 Iridium-192 Radiography Sources*

Description: The presentation will include a brief discussion on finding unsecured and unlicensed cat 2 RAM in our state that we knew nothing about, and how fast you can research and put a team together to secure it.

Contact Information: Bureau of Radiation Control / Radioactive Material Section / 4052 Bald Cypress Way, Bin C21 / Tallahassee, FL 32399-7017 / Kevin.Kunder@FLHealth.gov / 850-245-4545 / FLHealth.gov/RAM

Latonya Mahlahla



Latonya Mahlahla is a Branch Chief in Office of the Chief Human Capital Officer (OCHCO) at the Technical Training Center in Chattanooga, TN where she manages the Specialized Technical Training and Support Branch. Latonya joined the NRC in 2009 as a Health Physicist and has worked at the TTC since 2010. Ms. Mahlahla earned a Bachelor of Science degree in Health Physics from Purdue University and a Master of Business Administration from the University of Delaware. Prior to joining the NRC, she worked in commercial nuclear power in health physics and nuclear operations support.

Presentation: *NRC's Technical Training Center Update and Highlights*

Description: Get ready to hear the latest updates and highlights about training available to inspectors and license reviewers.

Contact information: latonya.mahlahla@nrc.gov

Patrick Mulligan



Patrick Mulligan is the Radiation Control Program Director for the NJ Department of Environmental Protection. Pat has over 30 years of experience in various disciplines within radiation protection, many years of those years in emergency preparedness and response. He is currently serving in his third term on the CRCPD Board of Directors and is the current Chair of the organization. Board of Directors. He has a passion for golf and exploring the nation's beautiful National Parks.

Presentation: *CRCPD Update*

Description: The Conference of Radiation Control Program Directors (CRCPD) is a nonprofit non-governmental professional organization dedicated to radiation protection. CRCPD's mission is "to promote consistency in addressing and resolving radiation protection issues, to encourage high standards of quality in radiation protection programs, and to provide leadership in radiation safety and education." The purpose of this presentation is to update the OAS membership and partner organizations of the ongoing CRCPD projects and initiatives that have cross cutting implications with the Agreement State Programs, and to obtain input and feedback from the OAS meeting attendees on these activities.

Contact information: (609) 984-5520

Patrick.mulligan@dep.nj.gov

Devin Mussell



Devin is the Radiation Safety Officer and Health Physics Lead at Helion Energy, leading the Radiation Safety Program for a first-of-a-kind fusion generator. Prior to joining Helion, he earned his formal training (BSE, MSE) from the University of Michigan's Nuclear Engineering and Radiological Sciences Department and gained diverse practical experience as a health/medical physics consultant for West Physics. Devin looks forward to getting fusion energy on the grid by ensuring radiation safety, novel licensing, and broad education.

Presentation: *Building the World's First Fusion Power Plant*

Description: Devin and his colleague Andrew will show a video about building the world's first fusion power plant.

Contact information: dmussell@helionenergy.com

Robin G. Muzzalupo



Robin Muzzalupo is the inspection & enforcement manager of the Illinois Agreement State program. She has nearly 35 years of experience as an inspector and, in addition to the inspection program, is responsible for the response, assessment and management of incidents involving licensed materials.

Presentation: *Forensic Dosimetry at a Nuclear Pharmacy*

Description This presentation shares a contamination and exposure incident at a radiopharmacy and how the lack of timely reporting and records significantly complicated the dosimetric and regulatory analysis.

Contact information: Radiation Materials Division / Office of Nuclear Safety / Illinois Emergency Management Agency and Office of Homeland Security / 630.947.3745 (Cell) / 630.293.8281 (Office) Robin.Muzzalupo@illinois.gov

2025 OAS Board Members



Chair: Beth Shelton (Tennessee) beth.shelton@tn.gov
Chair-Elect: Sarah Sanderlin (New Jersey) Sarah.Sanderlin@dep.nj.gov
Past Chair: Keisha Cornelius (Oklahoma) Keisha.Cornelius@deq.ok.gov
Secretary: David Matos (Georgia) David.Matos@dnr.ga.gov
Treasurer: Niki Minnick (Pennsylvania) jeminnick@pa.gov
Director of Rulemaking: Phillip Peterson (Colorado) phillip.peterson@state.co.us
Director of Emerging Issues & Advocacy: Meghan Cromie (Colorado) meghan.cromie@state.co.us
NMP Co-Champion: Steve Seeger (Tennessee) steve.seeger@tn.gov
Event Planner: Jo Murphy
Executive Director: Kathy Modes

WEBSITE: <https://www.agreementstates.org/>

Instagram: agreementstates (all one word)

Ronald Parsons



Ronald Parsons is the Tennessee Radioactive Material Licensing Manager. Mr. Parsons graduated from Middle Tennessee State University with a Bachelor of Science. He has worked for the Tennessee Division of Radiological Health for over 30 years and is an IMPEP Team Member for the Licensing and Sealed Source and Device Indicators.

Presentation: *Industry and States Q/A Session: Ask the Experts*

Description: Ron is on a panel with other fusion experts. They await your questions.

Contact information: State of Tennessee-Department of Environment & Conservation / Division of Radiological Health / Davy Crockett Tower, 9th Floor / 500 James Robertson Parkway / Nashville, TN 37243

Ron.Parsons@tn.gov 615-939-0517

Lea Perlas



Lea Perlas has served in the radiation regulatory field since 1996 in the roles of Regulatory Compliance Officer, Division Director, Office Director, and currently as the Virginia Department of Health's Fusion Program Director. Her educational background is in Political Science, Radiation Science, and with a Master in Public Health.

Presentation: *The importance of public outreach, education and early engagement in the licensing of fusion power plants*

Description: The presentation will illustrate Commonwealth Fusion Systems' global siting process culminating in their decision to locate their ARC fusion power plant in Chesterfield County, Virginia. It will cover the engagement of state, regional and local stakeholders with a particular focus on the relationship between CFS and the Virginia

Department of Health (VDH). The presentation will describe VDH's process in creating a dedicated fusion director role and their efforts to become a leading fusion regulator.

Contact information: Lea.Perlas@vdh.virginia.gov

Phillip Peterson



Phillip Peterson has worked with the Colorado Department of Public Health and Environment since 2009. Phill is the Radioactive Materials Unit Leader and manages the licensing and inspection of approximately 300 specific licensees and the registration of approximately 800 general licensees. Phill serves on the OAS Board as the Director of Rulemaking. Phill enjoys skiing and is the food parent for his son's high school marching band.

Presentation: *Training for Agreement State Rulemaking Working Group Members*

Description: Meghan Cromie and I will be discussing changes in comment windows for proposed NRC regulations and guidance, the importance of Working Group participation, and changes in communications with Working

Group members and the OAS Board.

Contact information: 303.692.3402 / 4300 Cherry Creek Drive South, Denver, Colorado 80246-1530 / phillip.peterson@state.co.us / cdphe.colorado.gov

Andrew Proffitt



Andrew Proffitt is the Regulatory Policy Lead for Helion Energy, where he leads regulatory policy implementation at state, federal, and international levels to enable and accelerate the deployment of fusion energy. He previously worked at the U.S. Nuclear Regulatory Commission for nearly 15 years in roles including Acting Branch Chief of Advanced Reactor Licensing and Senior Project Manager for Fusion, where he led development of the policy paper on licensing and regulating fusion machines. Andrew holds a bachelor's degree in nuclear engineering from the University of Tennessee.

Presentation: *Building the World's First Fusion Power Plant*

Description: Andrew and his colleague Devin will show a video about building the world's first fusion power plant.

Presentation: *Industry and States Q/A Session: Ask the Experts*

Description: Andrew is on a panel with other fusion experts. They await your questions.

Contact information: andrew.proffitt@helionenergy.com

David Reindl



Since 2015, David Reindl has been working for the Wisconsin Agreement State Program. His work includes licensing, inspections, and emergency response roles with focused expertise on accelerator production of both diagnostic and therapeutic medical radioisotopes. Mr. Reindl has previously served on the Part 37 Implementation Working Group and currently serves on the Fusion Working Group in order to develop a regulatory framework for fusion machines. David holds a Bachelor of Science in Nuclear Engineering from the University of Florida.

Presentation Title: *Revoked: A Cautionary Tale*

Description: Wisconsin's first experience revoking a radioactive materials license including the licensee's inspection history, a review of the legal process, and the lessons learned.

Contact information: (608) 266-8336 David.Reindl@dhs.wisconsin.gov

Abigail (Kukura) Remler



Abigail (Kukura) Remler is the director for future technology platforms at the Special Competitive Studies Project. Prior to SCSP, Abigail worked as a consultant on national security issues and she previously worked at the Center for Strategic & International Studies. Abigail holds a B.A. in International Affairs from George Washington University and an M.A. from the Fletcher School of Law and Diplomacy at Tufts University.

Presentation: *Fireside Chat: Commission on the Scaling of Fusion Energy*

Description: An overview of SCSP's Commission on the Scaling of Fusion Energy, highlighting its work to date and its intersection with key priorities of the Organization of Agreement States.

Contact information: ajk@scsp.ai cc: energy@scsp.ai

Ron Rogers



Ron Rogers, Radiation Control Program Director, Mississippi State Department of Health:

Ron is a transitioning leader within the Radiation Control / National Materials world following his retirement from a 34 year career in the US Army. Following retirement he began work with the Mississippi Program in 2022. His limited radiological experience stems from his military background as a Medical Service Officer and Science Officer for the 47th Civil Support Team. During his 14 years on the 47th he trained, assisted and advised civil authorities and response organizations. As a member he also performed triage, surveys and forensics in situations potentially involving Chemical,

Biological, Radiological and Explosive events. Ron has been married 36 years to his wife Mary Rogers and has two sons Bryce and Seth who both also currently serve in the US Army.

Presentation: *The Effects of Enhanced Oversight*

Description: Personal story about what I learned after my state was placed on probation.

Contact information: Mississippi State Department of Health / 310 Airport Road / Pearl, MS 39201 / 601-259-0445 / Ronald.rogers@msdh.ms.gov

Sarah Sanderlin



Sarah Sanderlin has worked for the New Jersey Department of Environmental Protection's Bureau of Environmental Radiation since May of 2018. She performs routine compliance inspections and license reviewing for the Bureau's industrial section licensees. In the last seven years she has helped train new staff members, led the General License Device Program, and actively partakes in emergency response for radioactive materials as well as response drills for New Jersey's power plants. She is also one of the main contacts for Fusion within New Jersey's Agreement State Program.

Sarah has a Master of Science in Resilient and Sustainable Communities from Green Mountain College and a Bachelor of Science from Stockton University in Environmental Science. Sarah is on the OAS Board as the Chair-Elect.

Two presentations: *Recognition of Agreement State Volunteers & Closing*

Description: Sarah will help Beth Shelton to recognize Agreement State volunteers and will close the meeting.

Contact information: Sarah.Sanderlin@dep.nj.gov 609-789-9907

Steve Seeger



Steve Seeger is the Deputy Director of Field Operation at the Tennessee Division of Radiological Health. With over 30 years of experience, he oversees inspection and enforcement. Steve has served as an Integrated Materials Performance Evaluation Program (IMPEP) team member and is currently an IMPEP team leader in training. He has also served on the Executive Board of the Organization of Agreement States as Chair and is currently the NMP Co-champion.

Presentation: *The 2024-2025 Year in Review: NMP Co-Champions Discussion*

Description: Sherrie Flaherty and Steve Seeger will discuss the Champions' highlights for the last year.

Contact information: 423-322-9663 steve.seeger@tn.gov
<https://www.tn.gov/environment/program-areas/rh-radiological-health1.html>

Jeffrey Semancik



Jeff Semancik has served as the Radiation Division Director for the Connecticut Department of Energy and Environmental Protection (DEEP) since 2014. Jeff has served as the chair of the Conference of Radiation Control Program Directors (CRCPD) and is active in several working groups including the chair of the Committees on Commercial and Naval Nuclear Power. Jeff previously worked at Millstone Nuclear Power Station in several roles including Plant Manager. Jeff was a qualified nuclear engineering officer in the US Navy and an NRC licensed senior reactor operator at Millstone. He holds a BS in physics from the US Naval Academy, a MS in electrical engineering from Rensselaer Polytechnic Institute, and an MBA from the University of Connecticut.

Presentation: *CRCPD White Paper on Fusion (E-47 Committee on Commercial Nuclear Power)*

Description: This presentation will summarize key regulatory issues related to the commercial deployment of fusion machines, discuss available guidance, recommend radiation safety considerations, and (where available) describe best practices for regulating these technologies. The E-47 white paper is intended to supplement guidance provided by the Nuclear Regulatory Commission (NRC) for the regulation of byproduct material used or produced by fusion machines. It is vital that states and partner federal agencies continue to share information and learn from each other as fusion machine technology grows and matures.

Contact Info: Jeffrey.Semancik@ct.gov and office phone 860-424-4190

Beth Shelton



Beth Shelton is the current Director for the Tennessee Division of Radiological Health. She has been with the State of Tennessee for 26 years working in all sections of the Division, including oversight of regulation compatibility and development, inspection of Division licensees and managing the Division's radioactive material licensing program. Beth has served as an Integrated Materials Performance Evaluation Program (IMPEP) team member. She has also served on the Executive Board of the Organization of Agreement States as Treasurer for two terms and is currently the Chair. Beth served as an advisor to the Tennessee Nuclear Energy Advisory Council and has represented Tennessee at various national conferences and on panels presenting on fusion topics. She is passionate about the advancement of clean energy sources and is working hand in hand with government agencies and industry to make this a reality for Tennesseans. Beth holds a Bachelor of Science Degree in Biology and Chemistry from Middle Tennessee State University. She also holds a Master of Professional Studies Degree in Strategic Leadership as well as a certification in Lean Management from Middle Tennessee State University. She is a member of both OAS and CRCPD.

Presentations: USNRC's 50th Anniversary Recognition; OAS Update: Honoring the Past, Inspiring the Future; Recognition of Agreement State Volunteers; Hall of Fame Award; Updates for Fusion Day; Training New RCPDs; and Closing

Descriptions: Beth will make many presentations, recognizing significant milestones and those agreement state members who have volunteered their time and energy working on issues that affect the National Materials Program. She will provide an update on the OAS activities for the past year. She will kick-off fusion day and make a presentation geared towards new Radiation Control Program Directors.

Contact information: Beth.Shelton@tn.gov

Megan L. Shober



Since 2003, Ms. Shober has been working for the **Wisconsin** Department of Health Services, where she is currently the Supervisor of the Radioactive Materials Program. Ms. Shober is a subject matter expert on the domestic production of molybdenum-99, accelerator production of actinium-225, and the regulatory oversight of fusion devices. Ms. Shober is the current Agreement State member of NRC's Advisory Committee on the Medical Uses of Isotopes, and she recently read a really good book about bogs and swamps.

Ms. Shober holds a Bachelor's degree in Geology from the College of Wooster, in Ohio, and a Master's degree in Geophysics from the University of Wisconsin-Madison.

Presentations: ACMUI Update and A Brief History of Radiopharmaceutical Therapy

Descriptions: An overview of the history of therapeutic radiopharmaceuticals, pitfalls of earlier drugs, projected growth in near-term future, and licensing challenges associated with newer therapeutic radioisotopes.

Contact info: megan.shober@dhs.wisconsin.gov 608-287-4422

Daniel B. Shrum



Dan Shrum has been with the Low-Level Radioactive Waste Forum for 5 years. Mr. Shrum comes to the Forum with numerous years of professional experience in licensing and permitting of low-level radioactive waste management, processing, and disposal facilities; executing technical responsibilities for all environmental monitoring activities; conducting regulatory interfaces with state and federal entities; and performing managerial duties including mentoring staff and preparing and tracking budgets.

With *EnergySolutions*, as Senior Vice President of Regulatory Affairs, and throughout his thirty five year career he worked on numerous environmental projects and focus areas included the Remedial Investigation and Feasibility Studies of abandoned Uranium mines in the southwest section of the United States. This included development of work plans and reports to characterize the extent of contamination and propose corrective actions at abandoned Uranium mining and milling sites. His educational and professional attainments include M.B.A., Westminster College (May 2002); M.S., Geology, Brigham Young University (1993); B.S., Engineering Geology, Brigham Young University (1988); and registration as a Professional Geologist, Utah (2002).

Mr. Shrum has a long-demonstrated commitment to cleaning up legacy sites throughout the country. He has demonstrated commitment to safe management of LLW throughout the U.S. for decades and his understanding of the compacts, states, regulatory agencies, public concerns and industry challenges.

Presentation: *Why the US has an LLRW Compact System*

Description: This presentation will explore why the United States has a low-level radioactive waste compact system and what role the Agreement States play.

Contact information: dshrum@llwforum.org 801-580-3201

Dafna Silberfeld



Dafna E. Silberfeld serves as the Acting Director, Division of Materials Safety, Security, State, and Tribal Programs, Office of Nuclear Material Safety and Safeguards.

Ms. Silberfeld has over 25 years of experience leading teams in various sectors, including government, nonprofit, and private industries. She joined the NRC in September 2010, starting in the Office of the Chief Human Capital Officer (OCHCO) and progressively held roles such as Human Resources Specialist, Onboarding Program Manager, Technical Assistant, and Chief of the Learning and Talent Development Branch. Since November 2021, she has been the Deputy Division Director for the Data, Information Management, and Enterprise Architecture Division within the Office of the Chief Information Officer and has also served as the Acting Deputy Division Director for the Division of Rulemaking, Environmental, and Financial

Support. Before her NRC tenure, she worked at the Department of Commerce's Office of the Secretary. Her earlier roles include Human Resources and Business Consultant at the British Embassy, Director of Human Resources at EarnFair LLC, and Policy Analyst at Policy Studies Inc.

Ms. Silberfeld holds master's degrees in Public Administration and Social Work from Columbia University and a bachelor's degree in Psychology from New York University.

Presentation: *Sustaining Effective Partnership in Nuclear Materials Regulation*

Description: Dafna Silberfeld highlights her activities in maintaining an effective working relationship with OAS, CRCPD, and the agreement states.

Contact information: dafna.silberfeld@nrc.gov

Dr. Chad A. Smith, PhD CHP DABR



Chad Smith is a certified health and diagnostic medical physicist based in Boston, MA. His education started with a bachelor's degree in physics then graduate degrees in Radiological Sciences and Medical Physics. He has a broad range of experience in the Radiation Sciences starting his career in medical health physics at Tufts Medical Center, then to radiochemical and radioreagent manufacturing at PerkinElmer, and most recently becoming a Partner at the consulting group FX Masse Associates Inc.

Presentation: *Veterinary Use of Synovetin OA (^{117m}Sn) : Licensing, Radiation Safety, and the Future.*

Description: The lecture will review the licensing, use, and publications related to Synovetin OA (^{117m}Sn), a novel radiotherapeutic used to treat osteoarthritis.

We will cover currently licensed locations and use data, review off label uses of canine joints and other species, clinical effectiveness and adverse events, and what the future may hold for this product.

Contact information: 978-491-9810 csmith@fxmasse.com www.fxmasse.com

Andrew Sowder, PhD. CHP



Andrew Sowder is a Senior Technical Executive at EPRI where he launched and leads EPRI's strategic program on fusion. Previously, he established EPRI's advanced reactor research portfolio and managed applied research on advanced nuclear fuel cycles and used nuclear fuel management.

Prior to joining EPRI, Andrew served at the U.S. Department of State, investigated uranium fate and transport on the U.S. Department of Energy's (DOE's) Savannah River Site, and worked at the U.S. Environmental Protection Agency as an AAAS science and technology policy fellow.

Andrew received a B.S. in Optics from the University of Rochester and a Ph.D. in Environmental Systems Engineering from Clemson University. He is a Certified Health Physicist and serves as Chair of the American Nuclear Society's Standards Board. In December 2023, Andrew was appointed to the DOE Fusion Energy Sciences Advisory Committee (FESAC).

Presentation: Starting with a Clean Slate: Technology-Neutral, All-Hazards Safety Assessment for Fusion

Description: Presentation will summarize EPRI's methodology for integrating safety-assessment, Safety-in-Design (SID), into fusion design in a manner that supports iterative design review and safety case development as design maturity increases. The methodology was inspired and informed by the process hazard analysis methods originally developed for the chemical industry and offers technology developers a structured, documented, and tailorable approach for identifying and resolving potential issues with hazards and operability. The SID methodology integrates with modern systems engineering approaches, platforms, and tools, and can facilitate early engagement and communication with key stakeholders, including regulators.

Contact information: Electric Power Research Institute (EPRI) / 1300 West W.T. Harris Boulevard / Charlotte, NC 28262 / asowder@epri.com / www.epri.com

Dr. Katie Tapp



Katie Tapp joined the U.S. Nuclear Regulatory Commission (NRC) in September 2006. She currently works on the Medical Radiation Safety Team as a senior medical physicist. Before working in the medical team, Katie has worked in several positions across the agency as a health physicist. Katie received her doctorate in medical physics from Purdue University and her bachelors in nuclear engineering from University of Illinois.

Presentation: NRC Medical Team Updates

Description: Overview of updates of emerging medical technologies and revisions to rules and guidance documents.

Contact information: katherine.tapp@nrc.gov

Cindy Tomlinson, MPP



Cindy Tomlinson is the Senior Patient Safety and Regulatory Affairs Manager at American Society for Radiation Oncology (ASTRO) where she is responsible for monitoring the NRC, the FDA and CMS's Quality Payment Program. Cindy has more than 20 years of experience working for health care trade associations and specialty societies. She holds an MPP from Johns Hopkins University and a BA in History from New York University.

Presentation Title: *Oops, We Did It Again: Learning from Medical Events*

Description: In this talk, I will discuss several events submitted to RO-ILS: Radiation Incident Learning System, as well as our newly released Patient Safety White Paper. In addition, I will

update OAS on other ASTRO initiatives.

Contact information: 251 18th St. South, 8th Floor / Arlington, VA 22202 / 703-839-7366 direct / www.astro.org

Laura Urso, PhD



Laura is the Acting Unit Head / Regulatory Standards Specialist - Radiation Protection Unit - Radiation Safety & Monitoring Section - Division of Radiation, Transport and Waste Safety - Department of Nuclear Safety & Security - International Atomic Energy Agency - Vienna International Centre, PO Box 100, 1400 Vienna, AUSTRIA

Presentation: *From IAEA Standards to Practice: Current Developments in Radiation Safety and Future Activities*

Description: The talk will introduce the activities of the IAEA Radiation Safety and Monitoring Section, provide an overview of the IAEA Safety Standards with a focus on GSR Part 3, and highlight recent key topics addressed by the Radiation Safety Standards Committee (RASSC). Additionally, details about the upcoming International Conference on Radiation Protection in Medicine, scheduled for December 8–12, 2025, in Vienna, Austria will be shared.

Contact information: L.Urso@iaea.org (+43-1) 2600 22549

Shatavia “Shay” Walker



Shay Walker has dedicated 14 years to public service with the State of Georgia, with nine of those years in the Radioactive Materials program. Starting as a chemical analyst, she trained from the ground up and now serves as a Program Manager. She thrives on the dynamic nature of the field, especially during incident response, and enjoys collaborating with her team. Outside of work, Shay loves spending time with her family, cheering on the Georgia Bulldogs, and traveling. Shay is also running for the OAS Board as Secretary.

Presentation: *Georgia's Journey from Worst to First*

Description: Shay will share how her team's hard work transformed the Georgia Agreement State Program, leading to its current 5-year review cycle.

Contact information: shatavia.walker@dnr.ga.gov (404) 989-5673

Dr. Edward Waller, PhD PEng CAIH CHP



Professor in the Department of Energy and Nuclear Engineering at Ontario Tech University (CANADA) since 2003, and Senior Advisor Health Physics for Type One Energy since 2023. Prior to joining the University, Dr. Waller worked for 15 years at Science Applications International Corporation (SAIC). Dr. Waller has also worked at the International Atomic Energy Agency (IAEA) Incident and Emergency Centre, was a Canadian delegate to the United Nations Scientific Committee on the effects of Atomic Radiation (UNSCEAR) where he lead two expert groups, and currently serves on the International Commission on Radiological Protection (ICRP) Task Group 127 on Exposure Situations and Categories of Exposure. Dr. Waller is a Certified Health Physicist (CHP) by the American Board of Health Physics, a Certified Associate Industrial Hygienist (CAIH) by the American Board of Industrial Hygiene, and a Professional Engineer (PEng) in Ontario, Canada. He holds a BSc (Physics), MScE (Chemical Engineering) from the University of New Brunswick, Masters (Nuclear Security) from TU Delft, and PhD (Nuclear Engineering) from Rensselaer Polytechnic

Institute. His research and teaching is in radiation protection, radiation dosimetry, threat & hazard assessment, environmental radioactivity and radiation shielding.

Presentation: *CSA methodological approach for calculating tritium derived release limits and the CANDU experience*

Description: Routine releases of radionuclides are expected from nuclear facilities. For fusion facilities, the only possible radionuclide that may be released occasionally to the environment is tritium. While it is in the best interest of fusion facilities to preserve the inventory of tritium within the fuel cycle, it is important to demonstrate to the regulator and the public that releases are at or below prescribed criteria. One approach, used by Canadian Nuclear Facilities, is comparing derived release limits (DRLs) to actual releases determined through a campaign of monitoring. This talk will discuss the Canadian DRL methodology and how it may be applied to fusion operations to satisfy regulatory requirements.

Contact information:

UNENE Ontario Tech Chair in Health Physics and Environmental Safety
Ontario Tech University / 2000 Simcoe Street N. / Oshawa, Ontario, Canada L1G0C5
905.721.8668 ext. 5521 / 905.718.0997 (cell) / ed.waller@ontariotechu.ca
or ed.waller@typeoneenergy.com

Kyle Walton



Kyle Walton has been working for the Wisconsin Agreement State Program for 12 years. His work includes licensing, inspection, and emergency response roles. Kyle has a bachelor's of science degree in Nuclear Engineering from the Missouri University of Science and Technology.

Presentation: *Cobalt-60 Contamination Event*

Description: A review of Wisconsin's response, from identification to disposal, of found Co-60 contaminated scrap metal.

Contact information: Kyle.Walton@wi.gov (608)267-4791

Duncan White



White currently serves as a Senior Health Physicist in the U.S. Nuclear Regulatory Commission's (NRC) Office of Nuclear Material Safety and Safeguards (NMSS). Mr. White is the NRC's technical lead in the development of a regulatory framework for fusion machines. Since joining the NRC in 1991 after nine years with the State of New Jersey, Duncan has served in several technical and supervisory positions in NMSS, Office of Office of Federal and State Materials and Environmental Management Programs, Advisory Committee on Reactor Safeguards, Office of the Executive Director of Operations, Region I, and former Commissioner Lyons' staff. Mr. White has been directly involved in the development of several NRC regulations and guidance documents for the safe and secure use of radioactive material. A longtime advocate of the NMP, Duncan has been involved with the Agreement

State program for over 25 years including 9 years as a Regional State Agreement Officer in Region I and served as the first NRC NMP Champion from 2019 - 2024. A certified health physicist since 2000, Mr. White is also a member of the American Society of Mechanical Engineers fusion subgroup developing standards for components of fusion energy devices.

Presentation: *Fusion Machine and Advance Act Updates*

Description: Overview of proposed rulemaking activities for fusion machines, ADVANCE Act Section 205 report to congress, and implementation of the Fusion Machine Vision and Strategy document.

Presentation: *Industry and States Q/A Session: Ask the Experts*

Description: Duncan is on a panel with other fusion experts. They await your questions.

Contact information: Duncan.White@nrc.gov

Dr. Patrick White, PhD



Dr. Patrick White is the Group Lead for Fusion Energy Safety and Regulation at Clean Air Task Force. He leads the CATF International Working Group on fusion energy safety, waste, and non-proliferation, focused on creating globally harmonized regulatory policy and frameworks for commercial fusion energy. His work includes detailed technical and policy analysis of fusion technology to help develop proportional regulatory frameworks that enable the effective, efficient, and predictable licensing and deployment of commercial fusion energy. He holds a B.S. and M.S. in Mechanical Engineering from Carnegie Mellon University and an M.S. and PhD in Nuclear Science and Engineering from the Massachusetts Institute of Technology where his PhD research focused on developing new licensing methods and regulatory frameworks for commercial fusion technology. Previously, he was the Research Director at

the Nuclear Innovation Alliance, leading technical analysis and stakeholder engagement on advanced nuclear energy.

Presentation: *CATF Fusion Safety and Regulation Program and Education Courses*

Description: Clean Air Task Force (CATF) is working to create regulatory frameworks that enable the deployment of commercial fusion energy at scale. This talk will provide details on CATF's current technical and policy work on fusion safety and regulation, waste, and non-proliferation. It will also highlight CATF's recent and upcoming technical courses for stakeholders on fusion safety and regulation.

Contact information: pwhite@catf.us 216-584-0644

Kevin Williams



Kevin Williams is currently serving as the Deputy Director, Office of Nuclear Security and Incident Response (NSIR). Mr. Williams' permanent position is as the Director, Division of Materials Safety, Security, State, and Tribal Programs, Office of Nuclear Material Safety and Safeguards (NMSS). Mr. Williams joined the U.S. Nuclear Regulatory Commission (NRC) in September 2002, as a technical reviewer in the Office of Nuclear Reactor Regulation, Division of Inspection and Program Management. In 2004, he transitioned to a technical reviewer position in NSIR, Division of Preparedness and Response, and subsequently progressed through positions of increased responsibility. Mr. Williams has also successfully completed assignments as the acting Chief, Spent Fuel Storage and Transportation Branch, NMSS; Chief, New Reactor Licensing Branch, NSIR; Acting Deputy Director, Division of Preparedness and Response, NSIR; Director, Program Management, Policy Development and Analysis, NSIR; Acting Deputy Director, Division of Nuclear Materials Safety, Region IV; and Acting Deputy Controller, Office of the Chief Financial Officer. In June 2017, Mr. Williams joined the Senior Executive Service in the position of Deputy Director, MSST/NMSS and was appointed to his current position in August 2020.

Presentation: *A Monumental Welcome to Washington, DC!*

Description: Kevin will start the meeting with a magnificent, magnanimous, marvelous, masterful, monumental welcome to Washington, DC.

Contact information: Kevin.Williams@nrc.gov

Jill Dinehart Wood



Jill Wood is the Director of the Office of Radiation Protection at the Washington State Department of Health, where she leads and oversees key programs in Radiological Emergency Preparedness, X-Ray, Environmental Sciences, Air Emissions, and Materials and Waste Management. In this role, she ensures the safety and well-being of the public by managing critical radiation-related initiatives and programs across the state.

Prior to joining the Department of Health, Jill served as the Environmental Health Director for Island County Public Health, where she was responsible for overseeing a wide array of environmental public health and natural resource programs. Her expertise in environmental policy and public health issues led to her active involvement as a Governor appointed member of the Washington State Board of Health, where she provided key insights on local environmental health and sanitation matters, influencing state health policies and legislation.

Before transitioning into public health, Jill was a civil engineer with Island County Public Works, where she applied her technical background to building and infrastructure projects that enhanced community well-being. Jill holds a Bachelor of Science degree in Civil Engineering from the University of Kansas, further highlighting her strong passion in both engineering and public health.

Presentation: *The Effects of Enhanced Oversight: Heightened Oversight in Washington State*

Description: An overview of Washington State's journey through heightened oversight.

- How We Got Here: The systemic root cause issues that led to the implementation of increased oversight measures.
- What We Have Accomplished: Corrective actions, culture work, milestones, reforms, and improvements achieved since oversight began.
- Lessons Learned: Insights gained and best practices identified.
- Moving Forward: Goals and timelines to remove NRC oversight.

Contact Information: jill.wood@doh.wa.gov / 360-628-2244 / www.doh.wa.gov