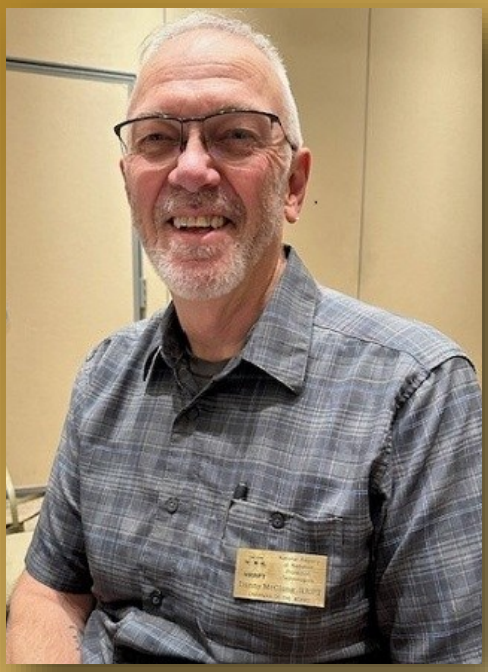
The NRRPT NEWS

OFFICIAL NEWSLETTER of the *National Registry of Radiation Protection Technologists*

September 2025 **Incorporated April 12, 1976**

Chairman's Message



Chairman Danny McClung

Greetings fellow RRPTs!

Fall into Fall!

Fellow RRPTs, welcome to the early fall edition of ***your*** NRRPT newsletter. As I write this, we are about 24 hours away from the autumnal equinox. It's still quite WARM here on the Space Coast of Florida, but there have been no hurricane threats. Not yet! I hope our members in the northern latitudes have had an enjoyable late summer. We are all looking forward to fall and the activities it brings with it.

The next meeting of the NRRPT Board and Panel will be held in Melbourne, FL at the Hotel Melby, from January 24 through 27, 2026. If you are so inclined, please join us. We can always use new members on the Exam Panel. Come on out! I promise that it's fairly painless. We always find time for fun, too.

The most recent US exam was held on August 9, 2025, which yielded 35 new RRPTs. This brings us to a total of 6104 registrants. Congratulations to all of you who put in the time to study and pass a very rigorous exam! The next Canadian exam is November 18, 2026—good luck to those exam candidates!

Featured in this edition are several outstanding articles: Darlington Small Modular Reactors, by Diana Baker; the inaugural article on the "nuclear family", by Michelle Kovach; and finally, "Radiation Protection Policy in a Nuclear Era". Thanks to Dr. Emily Caffrey, PhD, CHP, for allowing us to reprint the article! There are more great articles for your education and enjoyment. Thanks to all who contributed.

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The triennial American Council on Education (ACE) credit evaluation review was led by Dannie Green. Thanks to Dannie for his hard work on this. The ACE credits are an important secondary product of the Exam Panel and have been used by many of us to further our education. Effective August 1, 2025, through July 31, 2028, up to 33 credits can be awarded by an institution of higher learning for successful completion of the NRRPT exam. All credits will be at the lower-division baccalaureate level.

Regarding the Chairman's agenda (as promised):

1. Go live with the online NRRPT exam. We have 3 US exams securely loaded with the vendor and continue to work out several issues with logistics and exam delivery.

2. Re-start work on an international exam. We have found definite interest in the UAE for our exam. At the last meeting, the International Exam Committee was reformed with the Chair being Dr. Tom Hansen, PhD, CHP, RRPT. Tom has performed an analysis of the exam bank, and we will be ready to finish the questions at the next meeting so that we can move forward with this initiative.

3. Continue promoting radiation protection as a great opportunity for work. I really don't have an update to this. We continue to see more jobs in the private sector for health physicists, which also means more jobs for RPTs. With the advent of small modular reactors and fusion energy technology, there should be no shortage of work for RPTs in the future. We should all encourage bright and motivated young people to pursue a career as an RPT and further encourage them to become RRPTs. Please contact me with your ideas about the future of the NRRPT!

One last thing: next year is the 50th anniversary of the NRRPT! If any members are aspiring artists, I would like you to come up with a unique logo design for the 50th anniversary. You can submit your ideas to DeeDee McNeill or myself. If we choose one of your designs, I will personally pay your NRRPT membership dues for one year! Thanks in advance.

Hope to see you all at the Hotel Melby next January!

Danny McClung, RRPT, FHPS
Chairman of the Board of Directors
NRRPT



Darlington New Nuclear Projects Small Modular Reactors Transforming Radiation Protection

by Diana Baker

The Darlington New Nuclear Project in Clarington, Ontario, is Canada's flagship venture into small modular reactors (SMRs), marking the first deployment of this technology in the G7. Led by Ontario Power Generation, the project will see the construction of up to four GE Hitachi BWRX-300 units, each designed to provide about 300 megawatts of reliable, carbon-free electricity—enough to power 300,000 homes. With the first unit targeted to be online by 2030, Darlington is a global leader in advancing nuclear innovation, offering a safer, more cost-effective, and scalable approach to clean energy. Notably, the design incorporates innovations that simplify systems, reduce maintenance demands, and minimize worker exposure to radiation—further raising safety standards while improving efficiency. This pioneering effort not only strengthens Ontario's energy security but also sets the stage for testing and demonstrating new technologies that could redefine the future of nuclear power.

Aurum Teledosimetry System: Transforming Radiation Protection at the Darlington New Nuclear Project

The Darlington New Nuclear Project (DNNP) is poised to revolutionize radiation protection and operational efficiency with the introduction of the Aurum teledosimetry system.

Recently piloted at the Darlington Re-tube Waste Processing Building, this innovative platform integrates electronic dosimetry, Wi-Fi communications, video management, and real-time location services (RTLS) into a single, AI-driven digital solution—delivering unprecedented capabilities for health physics and operational management.

A Comprehensive, All-in-One Solution . Unlike traditional setups that rely on a patchwork of commercial off-the-shelf products, the Aurum system consolidates critical functions into one customizable tool. The pilot included 10 MIDAS electronic dosimeter/communications devices, 3 HELIOS handheld gamma meters, an Aurum server, and a dedicated mesh network. These components are seamlessly managed through a web-based interface, offering modules for dose tracking, worker management, and administrative oversight.

Key Innovations and Performance

Electronic Dosimetry: The MIDAS dosimeter debuts a 10x10mm Cs(I) scintillator crystal—the first of its kind in personal dosimetry—delivering enhanced sensitivity to low-level radiation and superior angular response. The system achieved a 96% success rate in pilot testing, with ongoing refinements aimed at ANSI/IEC certification.

1. **Wi-Fi Communications:** Purpose-built for challenging nuclear environments, the system supports robust, hands-free group and individual communications, overcoming historical limitations of RF systems. The pilot demonstrated reliable performance across scenarios, with future upgrades planned for scaling and OPUS codec integration.

2. **Video Management:** The platform simplifies video operations, focusing on essential features like PTZ controls, recording, and easy streaming. It supports multiple camera streams and offers intuitive controls, scoring a 94% in pilot testing.

3. **Real-Time Location Services (RTLS):** Aurum's proprietary Visual Positioning System (VPS) uses AI to match environmental images from MIDAS devices to a 2D facility map, enabling accurate, beacon-free worker tracking. The system achieved perfect accuracy (<2 ft) in the pilot and will be further enhanced with Wi-Fi triangulation and improved inertial measurement.

4. **Web-Based Health Physics Modules:** The unified web portal reduces IT maintenance and streamlines desktop access, offering integrated tools such as radioactive work permits with integrated access control quizzes, and dose trend analysis.

Pilot Results and Path Forward

The pilot phase delivered a weighted score of 94%, validating the system's reliability, user-friendliness, and technical strength. Most unmet requirements were outside the Phase I scope or already planned for Phase II, which will focus on:

1. Finalizing dosimeter certification,
2. Scaling communications,
3. Enhancing video and RTLS capabilities,
4. Refining health physics modules and user interfaces.

Conclusion

Aurum's all-in-one, AI-driven teledosimetry system promises to enhance worker safety, streamline operations, and reduce manual effort at the DNNP. By consolidating essential radiation protection functions into a single platform, it supports scalability and future growth, while ensuring robust compliance with regulatory and operational standards. With strong pilot results and a clear road map for improvement, DNNP has recommended to proceed with full deployment and integration of the Aurum system—setting a new standard for radiation protection in the nuclear industry.

Continuing Education Survey

Hello RRPTs!

Continuing Ed topics will soon be available to all members. The goal for Continuing Ed topics is to give information to all practitioners about a variety of topics related to radiation protection. Additionally, each completed topic will award RPTs 0.25 points toward Continuing Education Courses and Seminars on their Registration Maintenance Worksheet. This is a great way to gain points if you are a couple of points short on your Registration Maintenance Worksheet. A new Continuing Ed topic will be available every quarter through the website and the newsletter starting the 4th Quarter of this year. We are asking for your input on what topics you would like to learn about and how you would like the information delivered. Please take a moment to complete the survey below so we can make the best of this new learning experience. Thank you for your time and participation. Survey Link https://s.surveyplanet.com/h2xt87tl

Request for Newsletter Article Submission

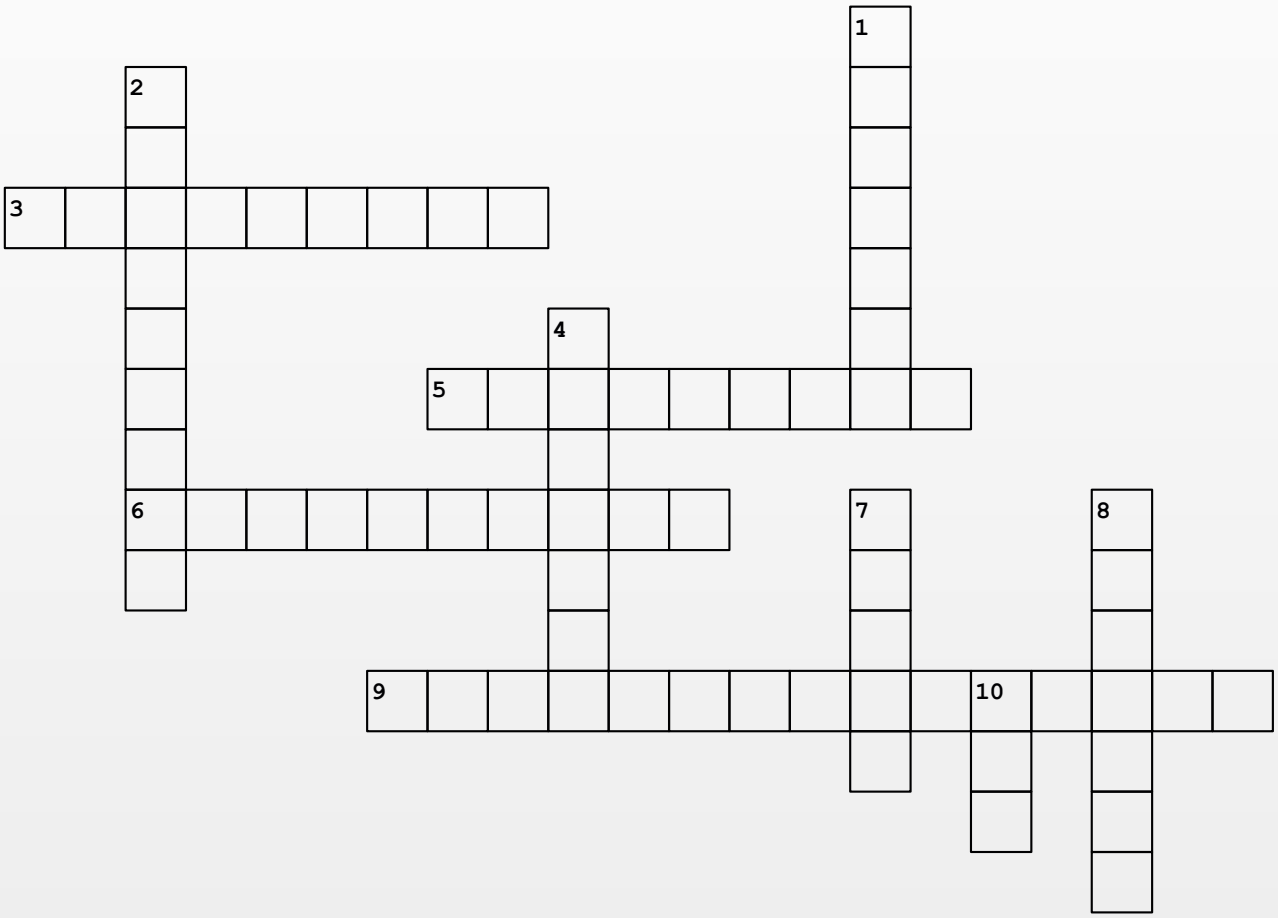
Would you be interested in contributing an article to the NRRPT Newsletter? You have the option to write about one of our featured topics or submit an article on a subject of your choice. If you're interested, please send your article(s) to the NRRPT Executive Secretary at nrrpt@nrrpt.org.

For contributors who are not on the NRRPT Board or Panel, a $40 check and either an NRRPT shirt or hat will be provided as a token of appreciation. When submitting your article(s), kindly include your postal mailing address to ensure the proper delivery of funds and merchandise.

Please note that only one award per individual is granted per year. The funds and merchandise will be distributed once the article is published in the NRRPT Newsletter.

Crossword Puzzle—Nuclear Accidents

Answers are on the back page of this Newsletter



Across

3. Facility where fatal overdose of enriched uranium occurred in Japan in 1999.

5. The nuclear accident in Ukraine in 1986, considered the worst in history.

6. An accident that occurred when a 10-year old boy took home a Co-60 radiography source on 1962.

9. A partial meltdown occurred at this Pennsylvania plant in 1979.

Down

1. Early criticality accident affecting Manhattan Project workers experimenting with the "demon core".

2. An accident at this Japanese plant was triggered by an earthquake and subsequent tsunami in 2011.

4. An accident occurred in this Spanish region in 1966, when a USAF bomber, carrying nuclear weapons, collided with a refueling tanker.

7. Referred to the second worst nuclear accident that occurred at Kyshtym, Soviet Union, in 1957.

8. An accident that occurred in 1987, after two men discovered a standards capsule containing 100 grams of Cesium-137.

10. An accident caused by the accidental and excessive withdrawal of a central control rod near Idaho Falls, ID in 1961.

What Has NRRPT Done For Me

by Josh Shelvey

Introduction:



Joshua Selvey is a Health Physics Field Coordinator at Los Alamos National Laboratory. He started his career in nuclear energy 13 years ago when he joined the Navy. During his Naval Career, Joshua excelled as a Engineering Laboratory Technician forging his skills in chemistry, radiation protection, and leadership. He transitioned into the civil world in 2022 when he accepted a job as an RCT at Los Alamos National Laboratory. Joshua currently works as a Radiation Protection Instructor training new RCTs. He has a Bachelor of Science degree in Nuclear Engineering Technology and is currently pursuing a Masters of Business Administration degree. Joshua has served on the NRRPT Exam Panel since 2023 and was voted to be on the NRRPT Board of Directors. He will begin serving on the NRRPT Board in February of 2026. Joshua was born and raised in Bakersfield, California and lived in Hawaii and South Carolina during his time in the Navy. He currently resides in Los Alamos, New Mexico where he enjoys playing golf, renovating his house, and traveling in his spare time.

What is the NRRPT:

The need for the NRRPT evolved out of the nuclear industry's desire for responsible and competent radiation protection technologists. The NRRPT was established in 1976 through the sponsorship of the Health Physics Society and the American Board of Health Physics. The objective of the NRRPT is to encourage and promote the education and training of radiation protection technologists and, by so doing, promote and advance the science of health physics. To do this, the NRRPT has established a credentialing exam. This criteria-based, 150-question exam covers broad-based radiation protection knowledge of accelerators, university health physics programs, medical health physics, power reactors, government radiological facilities, radioactive waste disposal, transportation of radioactive material, fundamentals, and regulatory requirements. The NRRPT has been endorsed in various ways by several organizations. The Institute for Nuclear Power Operations (INPO) and the Department of Energy (DOE) have openly recommended that nuclear facilities encourage their personnel to seek NRRPT Registration. The Nuclear Regulatory Commission (NRC) provides support by assigning a staff member to the NRRPT Panel of Examiners. HPS members established the NRRPT, and most of the NRRPT Board of Directors and panel members are active members of the HPS national and local chapters. Nuclear facilities (i.e., power plants, government facilities, universities, medical facilities, and military services) provide incentives for personnel to seek and maintain registration. The NRRPT is currently ACE-accredited for thirty-three (33) college credits.

What has NRRPT done for me:

First, I would like to say the biggest thing NRRPT has done for me was welcome me with open arms. Just after leaving the Navy, I was looking for a way to improve my level of knowledge on radiation protection as it pertains to the rest of the world. My mentor, Tim Vance, introduced me to NRRPT and explained how the organization could help enhance my career. I decided to take the exam the next time it was offered and my NRRPT experience began. I was encouraged to become a part of the NRRPT Panel of Examiners shortly after passing the exam. After the first meeting I attended, I was asked to become a part of the Continuing Ed Committee, and I was later asked to be the chairman of the committee. In a short time, NRRPT has accepted me into the organization and entrusted me to be a board member. NRRPT has broadened my understanding of radiation protection from different perspectives including insights from DOD, DOE, medical industry, university system, and commercial nuclear power. Without the NRRPT, I would not have as robust of an understanding of the nuclear industry and radiation protection. I am thankful for what the organization has done for my career, professional development, and personal growth.

Welcome to the Panel of Examiners!



Heikki Romppainen

Nuclear Consultant | Director, Carbon Nuclear Consulting Services Inc.
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Heikki Romppainen is a seasoned Nuclear Consultant with over 20 years of experience in radiation protection and health physics across Canadian and international nuclear facilities. As Director of Carbon Nuclear Consulting, he brings expertise in regulatory compliance and stakeholder engagement. He is currently contracted as a Radiation Protection Manager.

In both current and previous roles, Heikki has been recognized for his strategic leadership and process improvement expertise. Heikki holds the NRRPT registration, which he has maintained for over a decade, and is an active member of the Health Physics Society. He also serves as Vice-Chairman of the Canadian AdHoc Committee on the NRRPT. With a background in civil engineering and a career spent leading teams in high-risk, high-demand environments, Heikki is dedicated to advancing the nuclear industry and contributing to the ongoing growth and excellence of the field.

Radiation Protection Policy in a Nuclear Era

Recommendations from Health Physicists in Response to EO 14300

EMILY CAFFREY, CHARLES WILSON, SHAHEEN DEWJI, AND AMIR A. BAHADORI, PHD, DABHP JUN 27, 2025

Emily A. Caffrey, PhD, CHP & Charles A. Wilson, PhD, CHP, Health Physics Program, University of Alabama at Birmingham

Amir A. Bahadori, PhD, DABHP, Alan Levin Department of Mechanical and Nuclear Engineering, Kansas State University

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Executive Order (EO) 14300, issued May 23, 2025, calls for a comprehensive reform of the Nuclear Regulatory Commission (NRC) to improve transparency, regulatory efficiency, and scientific coherence in nuclear oversight. While the EO focuses on NRC oversight authority, its stated aims include improving interagency coordination, which creates a timely opportunity to modernize and harmonize radiation protection standards across all federal agencies. Currently, federal agencies including the NRC, Department of Energy (DOE), Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), Department of Transportation (DOT), and Department of Defense (DOD) use incongruous regulatory frameworks that differ in their radiation dose limits, units, dosimetric models, and compliance methodologies, resulting in implementation inefficiencies and inconsistencies in both risk communication and regulatory enforcement.

This paper outlines key recommendations to **streamline U.S. radiation protection policy** while maintaining robust public and worker safety, improving scientific transparency, and aligning with international best practices.



Photo by Quick PS on Unsplash

Key Recommendations

1. Harmonize Radiation Dose Limits Across Federal Agencies

There should be **a unified set of radiation dose limits** and protection criteria applied across all federal agencies that have jurisdiction over any aspect of radiation protection, including but not limited to, the NRC, DOE, EPA, OSHA, DOT, and DOD. These limits should:

- Use consistent dosimetry models, i.e. the most recent International Commission on Radiological Protection (ICRP) recommendations given in Publication 103 (see also #6).
- Eliminate duplicative or inconsistent agency-specific requirements, particularly EPA's groundwater, air, and site decommissioning limits that are not aligned with NRC's dose-based approach under 10 CFR 20. These legacy risk-based standards create regulatory conflicts, delay cleanups, and undermine public confidence in consistent federal protection criteria.
- Eliminate over-conservative assumptions in derivation of effluent limits.

2. Standardize the Use of SI Units

All federal agencies should adopt and uniformly apply the International System of Units (SI) in radiation protection standards and public communications. Despite long-standing recognition of SI units as the international standard, federal regulatory language continues to reference non-SI units such as rem and curie, creating inconsistency and increasing the likelihood of misinterpretation. Transitioning to SI units exclusively would align U.S. practices with ICRP and IAEA recommendations, reduce conversion-related errors, and simplify training and compliance across agencies, licensees, and the public. This transition should include revising existing regulatory language, updating compliance guidance, and phasing out dual-unit reporting.

3. Depoliticize Low-Dose Risk Debates-Focus on *Practical* Protection

Scientific discourse regarding health effects at low doses, along with continued debate over the application of the Linear No-Threshold (LNT) model as a regulatory construct, should not paralyze regulatory policy. Instead, radiation protection policy at all levels - federal, state, and local - should:

- Focus on the principles ***of justification*** and ***optimization,*** as described in ICRP Publication 103. Justification ensures that the net benefit is *achievable;* optimization that the net benefit is *maximized.* Both must consider all factors (e.g. safety, economic viability, environmental impacts, etc.), not just radiological ones.
- Apply ALARA only to contexts where it provides ***demonstrable*** protective value, such as **occupational exposure management, medical exposures,** and **emergency response scenarios.** In such cases, what is considered *"reasonable"* may vary; for example, diagnostic imaging requirements may warrant higher exposures.

Clarify that ALARA is not required or expected for public exposures already below regulatory limits. This is particularly relevant in environmental cleanup or in scenarios where background radiation dominates total exposure.

4. Establish a De Minimis Threshold for Regulation

Define a scientifically justified, risk-informed **"below regulatory concern" or de minimis dose threshold,** under which *no regulatory action* is required. This threshold would prioritize regulatory attention toward exposures

with meaningful radiological impact while avoiding unnecessary control of exposures that are well below background variability. A practical benchmark should be recommended by the National Council onRadiation Protection and Measurements (NCRP) as an authority chartered by the U.S. Congress to provide radiation protection expertise, alongside stakeholders and regulators, in a transparent, scientifically defensible process. The authors posit that a practical *de minimis* dose might be on the order of 0.2 mSv/year (20 mrem/year) above background, representing approximately 20-30% of the combined cosmic and terrestrial components of natural background. This value could serve as a candidate threshold for consensus-based scientific evaluation, consistent with international approaches to exclusion and exemption. This approach would further support proportionality in regulation, improve resource allocation, and enhance clarity in public communication.

5. Maintain Current Dose Limits While Enhancing Practicality

Maintain the current federal dose limits in 10 CFR 20.1201 and

20.1301 and 10 CFR 35. 75 of:

- **1 mSv/year** (100 mrem/year) for the public
- **50 mSv/year** (5 rem/year) for occupational exposure (and maintain other occupational dose limits in 20.1201 for lens of eye, skin dose, etc.)
- **5 mSv** (0.5 rem) for any individual from exposure to a released patient

These limits are scientifically supported, internationally aligned, and operationally achievable. Rather than pursuing ALARA as minimization to zero dose, an interpretation not grounded in regulatory intent, agencies should emphasize best practices to justify and optimize exposure levels (see also #3). Justification ensures the net benefit of the practice outweighs the radiological detriment, while optimization considers technical feasibility, economic cost, and protection objectives.
Revise NRC and other agency guidance (e.g., NUREG-1530 Rev.1) to reflect these practical approaches and to provide a unified, interagency framework for radiation protection. A *single, harmonized guidance document* would improve consistency, reduce misaligned standards among federal agencies, and support coherent implementation of radiation protection policy.

6. Conduct Periodic Scientific Updates Without Disrupting Policy

Establish a structured mechanism for both reviewing and incorporating updated scientific data, such as dose coefficients, biokinetic and dosimetric models, and epidemiological findings, based on consensus-driven scientific recommendations from bodies such as the ICRP and NCRP, into the regulations on a periodic basis (e.g., every 5 years). These updates should be implemented through interagency coordination with NCRP, ICRP, and relevant technical bodies, while maintaining stability in overarching dose limits. This approach allows regulatory frameworks to reflect evolving science without introducing uncertainty or disruption in compliance obligations.

7. Ensure an Independent Regulatory Authority

To maintain nuclear safety and public confidence, the NRC must retain its operational independence from undue political or commercial influence. While subject to appropriate Congressional oversight, the agency's regulatory decisions should remain grounded in technical expertise and statutory authority. Preserving this independence is especially important in the context of Executive Order 14300, which emphasizes interagency coordination but must not be interpreted as a mandate for political intervention in technical decision-making.

Conclusion

EO 14300 presents a time-sensitive opportunity to unify, modernize, and harmonize the U.S. system of radiation protection. By advancing consistent standards, updating technical foundations, and clarifying regulatory expectations across federal agencies, the recommendations outlined here promote scientifically grounded and operationally practical reform. These actions support the protection of public and worker health while improving clarity, reducing unnecessary duplication, and enhancing public trust in federal oversight.

Acknowledgements The authors acknowledge the contributions to these recommendations from the hundreds of attendees at the open forums sponsored by the Health Physics Society and National Council on Radiation Protection and Measurements. The attendees represented a broad cross-section of the radiation protection community and provided input that informed the recommendations presented here.

Carbon-14 (C-14)

by Michelle Kovach

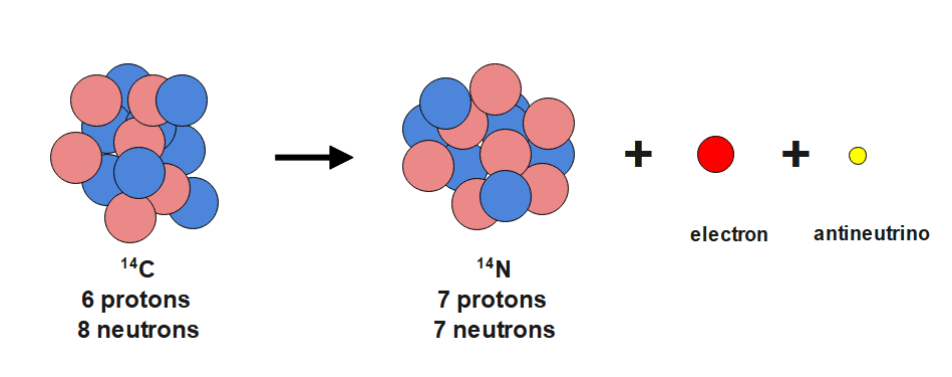
Carbon-14 (C-14) is a radioactive isotope of carbon with a nucleus containing 6 protons and 8 neutrons. It is naturally occurring in the atmosphere through the interaction of cosmic rays with nitrogen-14 (N-14). C-14 is continuously absorbed by living organisms through inhalation and ingestion, making it essential to the study of organic matter.

C-14 undergoes beta decay with a half-life of approximately 5,730 years, transforming into N-14. During beta decay, a neutron in the C-14 nucleus is converted into a proton, emitting a beta particle (electron) and an antineutrino. This expected decay process makes C-14 a valuable element for radiocarbon dating.

C-14 is detected using methods such as:

1. Liquid Scintillation Counting (LSC): Utilizes scintillating fluids to detect beta particles emitted during decay.
2. Accelerator Mass Spectrometry (AMS): Separates and counts individual C-14 atoms, offering higher sensitivity and enabling the analysis of microscopic samples.

Carbon-14 is used in archaeology, geology, paleontology, and environmental science to date organic materials and study carbon cycles of living systems. C-14's reliability as a dating tool and its role in understanding biological and environmental processes make it very important for scientific research.



My Nuclear Family

By Michelle Kovach

Newsletter Editor's Note: The Newsletter Committee is excited to introduce a new recurring feature that highlights different registry members who are part of a nuclear family. This initiative is designed to celebrate the unique connections within our registry, showcasing families that span multiple generations, siblings, parents and children, spouses (even ex-spouses if you're so inclined), or even cousins—any family relationship with more than one registered member qualifies!

To kick off this series, I've volunteered to be featured in the inaugural article. Through this initiative, we hope to shine a light on the shared experiences, values, and bonds that make our registry truly special. Stay tuned for a closer look at the families who bring vibrancy and depth to our registry in upcoming editions!

My family, based in Idaho Falls, Idaho, is a testament to hard work, dedication, and the shared values that have been passed down through generations. At the heart of our nuclear family are my father, Fred, a retired Navy veteran; my mother, Debra; my sister Jenny; and myself.



Fred Kovach

Fred's journey into the nuclear industry began in 1963, when he decided to pursue a career in naval aviation. However, after undergoing rigorous testing and evaluation, he was invited to join the prestigious Nuclear Navy program—a role that marked the beginning of his incredible nuclear career. Throughout his 20 years of service to the United States Navy, Fred demonstrated exceptional commitment and honed his technical expertise. In 1983, he retired from active service as a highly respected naval veteran.

Following his military career, Fred transitioned seamlessly into civilian roles within the nuclear field. He began his post-Navy career at Idaho National Environmental and Engineering Laboratory (INEEL) with EG&G, where he contributed significantly to their training department. Later, he expanded his responsibilities to manage the Department of Energy (DOE) Headquarters' Nuclear Safety Program. This program encompassed developing and implementing vital processes, such as Conduct of Operations (CoOP), Unreviewed Safety Question (USQ), Configuration Management, Occurrence Reporting, and Operations Readiness Procedures/Reviews (ORPs/ORRs), all of which were critical to enhancing nuclear safety nationwide.

Recognizing the importance of continued education, Fred returned to school and earned a Bachelor of Science in Technical Training from Idaho State University (ISU) in 1992, further enriching his career.

Subsequently, while serving as the Technical Training Manager at Pacific Northwest National Laboratory (PNNL) in Richland, Washington, he brought his expertise and leadership to Battelle's operations.
Eventually, Fred and Debra decided to return to Idaho Falls, where he continued his work in the nuclear industry. Working with Epsilon as a contractor to various DOE sites, Fred specialized in technical procedure writing and as a work control manager. His focus was on streamlining processes and ensuring compliance in work control practices, a role that underscored his commitment to excellence.

Debra's professional journey is a testament to adaptability, expertise, and dedication. In 1989, not long after selling her business, *The T-Shirt Shoppe* in Idaho Falls, Idaho, Debra decided to reenter the workforce. Encouraged by a friend who was transitioning out of her role at the Radioactive Waste Management Complex (RWMC) at INEEL, Debra applied for the position. Drawing on her high school education, a semester of college coursework, and computer skills she acquired at Eastern Idaho Vocational Technical School (EIVTS), she secured the job and embarked on what would become an impressive career.

In 1990, Debra became the Administrative Assistant for a multifaceted engineering department at RWMC. This role required her to work with electrical, mechanical, and civil engineers, challenging her to develop an understanding of their specialized fields. Her adaptability and skill set were integral to supporting the complex needs of her team.



Debra Kovach

As she broadened her capabilities, Debra transitioned into the role of Administrative Assistant for RWMC's Training Group. Here, she applied her expertise to compliance training and records management, contributing to the efficiency and accuracy of the department's operations.

Debra's final position at RWMC was as the Lead Administrative Assistant, where she directly reported to the facility manager. In this leadership role, she managed RWMC's team of administrative assistants and played a pivotal role in issuing facility occurrence reports. Her responsibilities included collaborating with the team responsible for overseeing the Stored Waste Examination Pilot Plant (SWEPP), ensuring regulatory compliance, managing inventory, repackaging, and shipping waste drums at the complex.

After her time at RWMC, Debra continued to apply her skills in administrative roles for various organizations. She worked part-time and on temporary assignments with Scientech and British Nuclear Fuels Limited (BNFL). At Scientech, she contributed to contract management. At BNFL, which managed the Advanced Mixed Waste Treatment Project (AMWTP), she assisted in the hiring processes for new employees.

Debra's career trajectory underscores her ability to evolve with the demands of her roles while maintaining a commitment to excellence. Her valuable contributions to the nuclear and waste management industries highlight the critical role administrative professionals play in maintaining operational success and regulatory compliance.

The values Fred and Debra upheld—discipline, service, and resilience—not only shaped their careers but also laid the foundation for their family's success. Recognizing the exceptional opportunities the nuclear industry provided, Fred and Debra encouraged their daughters to enroll in the Radiation Protection program at Eastern Idaho Vocational Technical School [(EIVTS) later known as EITC]. This decision reflected the family's embrace of the nuclear industry as a rewarding career path.

Michelle and Jennifer's path into the nuclear industry is a story of unexpected opportunities and redefining career goals. While still in high school, the sisters signed up for the waiting list to enter the Radiation Protection program at EIVTS, a list that was four years long. At the time, neither planned a future in the nuclear field: Michelle, a sophomore, envisioned becoming a police officer or working in retail, while Jennifer, a freshman, aspired to a career in interior design.

However, when their opportunity to enroll in the program came in 1988, both sisters made the pivotal decision to attend. By then, their outlook on career possibilities had shifted. They recognized the potential for long-term employment, stability, and financial success within the nuclear industry—factors that led them to pursue careers they initially hadn't considered.

After completing their Radiation Protection education, Michelle took the first steps toward beginning her career in the nuclear industry while Jenny waited to receive her security clearance, which delayed the start of her own journey. Michelle began her on-the-job training at the Idaho National Environmental Laboratory [(INEL) later known as INEEL and eventually INL], where she worked across various nuclear facilities to gain hands-on experience and strengthen her practical knowledge. During this time, Michelle built professional relationships and sought employment at INEEL, but despite her efforts, a permanent position did not materialize.

Undeterred, Michelle and her sister Jenny relocated to Richland, Washington, in October 1989 to pursue new opportunities. Michelle quickly launched her career as a Health Physics Technician (HPT) at Hanford's 100N Reactor,

marking her official entry into the nuclear workforce. Building on her foundation of skills and experience, she began contributing to one of Hanford's nuclear facilities.

Shortly after Michelle's career began, Jenny began her own career upon receiving her security clearance. In January 1990, Jenny started her role as a Health Physics Technician at Hanford's 200 East Tank Farms, which was central to managing the site's nuclear waste.


Jenny Kovach

As Michelle and Jenny advanced in their careers, they developed greater independence while both continued to thrive in the Radiation Protection field. At one point, they simultaneously worked at the 200 East Tank Farms, leading to some amusing confusion among colleagues due to their striking resemblance. Comments ranged from playful exasperation, such as, "Oh no, there are two of you?" to welcome relief with remarks like, "Thank goodness there are two of you! I couldn't fathom how one person could work so much overtime."

Michelle has spent over three decades building a career in Radiation Protection. Her knowledge spans the management of a wide variety of radionuclides, with over 20 years specializing in transuranic radionuclides. Her diverse professional background includes environmental restoration, National Laboratory research, operations, cleanup, and Deactivation and Decommissioning (D&D) at Department of Energy (DOE) facilities.

Throughout her career, Michelle has held a variety of roles, including Senior Radiological Control Technician (SRCT), Lead RCT, Radiological Analyst, Radiation First Line Manager, Radiological Engineer, Health Physicist, and Radiological Control Manager. Excluding the Plutonium Finishing Plant (PFP) and the Fast Flux Test Facility (FFTF), she has worked at nearly every former operational Hanford facility, which includes nine of the ten former reactors. Outside of Hanford, Michelle played a role in the cleanup of Rocky Flats. She went to Rocky Flats on an eight month assignment and left upon closure, five years later. She participated in restoration efforts at the Idaho Cleanup Project (now known as Idaho Environmental Coalition) at Idaho National Laboratory (INL) and helped provide radiological protection guidelines at INL's research facilities, particularly at the Materials and Fuels Complex (MFC).


Michelle Kovach

Currently, Michelle works at Pacific Northwest National Laboratory (PNNL), where she provides radiological support in a wide array of research activities. She contributes her expertise across radiological facilities and a Hazard Category 2 facility, providing technical, managerial, engineering, and field support.

In 1994, Michelle achieved the distinguished milestone of becoming a member of the National Registry of Radiation Protection Technologists (NRRPT) after successfully passing the NRRPT exam. This accomplishment was one of her most significant contributions in the field of Radiation Protection. Later, she became a member of NRRPT's Panel of Examiners and spent five years serving on their Board of Directors.

Jenny has built a remarkable career in Radiation Protection, spanning more than 30 years. Her early work included nearly a decade of safeguarding workers in the Tank Farms, where she and her team undertook the highly hazardous and challenging task of sampling tank waste in the 200 East and 200 West Tank Farms. This critical work demonstrated her resilience and commitment to worker safety in high-risk environments.

For the past 25 years, Jenny has been a vital contributor to PNNL. Her roles at PNNL have been diverse and impactful, including serving as a Senior Radiation Protection Technologist (SRPT), a trainer in the Training and Qualification Department, a Laboratory Safety Supervisor, a Health Physics Manager, and a Radiological Engineer—a qualification she recently earned to further expand her expertise.

Jenny's career in training has been significant. She developed, presented, and facilitated qualification programs, including Radiological Worker II training and various other safety-based courses. Her efforts extended to quarterly RPT training as well as facility safety and compliance training. Jenny's commitment to fostering knowledge and compliance ensured workers were well-prepared to meet safety standards and operational requirements.

In her technical roles as an SRPT, Laboratory Safety Supervisor, Health Physics Manager, and Radiological Engineer, Jenny has worked extensively with various radionuclides at PNNL's research facilities. Her breadth of experience is so expansive that, looking at the chart of the nuclides, one could reasonably assume she has worked with nearly all of them. Through her expertise in technical and compliance-based standards, Jenny has effectively managed staff and protected workers, ensuring a safe and reliable workplace environment.

Jenny's achievements have been further bolstered by her membership in the National Registry of Radiation Protection Technologists (NRRPT), which she earned in 1997 by successfully passing the NRRPT exam. This prestigious accomplishment, coupled with her extensive contributions to the field, has solidified Jenny's reputation and garnered the respect of peers throughout her profession.

While their paths may share similarities within the Nuclear Industry, each individual has forged a distinct and successful career. Through dedication, expertise, and perseverance, they've carved out their own unique contributions to the field. When reflecting on their journeys, each member speaks fondly of the "work families" they've been a part of—relationships that often extend beyond the workplace into lifelong bonds.

Their sense of pride is unmistakable, stemming from the meaningful impact they've made in advancing and supporting the Nuclear Industry. They collectively emphasize an important truth: while you may not share blood ties, being part of a nuclear family is about the unity, trust, and shared commitment that comes with working together toward a common goal. These connections are a testament to the strength of relationships formed within the industry, showcasing the enduring power of collaboration and camaraderie in shaping not only careers but lives as well.

Note from the Editor: If you have a 'nuclear family' story to share, we'd love to hear it! Please send it to the Executive Secretary at nrrpt@nrrpt.org.



NRRPT Night-Out in Madison, WI
July 13, 2025

***** Thank you to our generous NRRPT Night-Out sponsor — Ameriphysics *****







Thank You!

Tom Hansen (Ameriphysics) and wife Annette



NRRPT Night-Out Group Photos



Our Chairman of the Board — Danny McClung!







More Group Photos













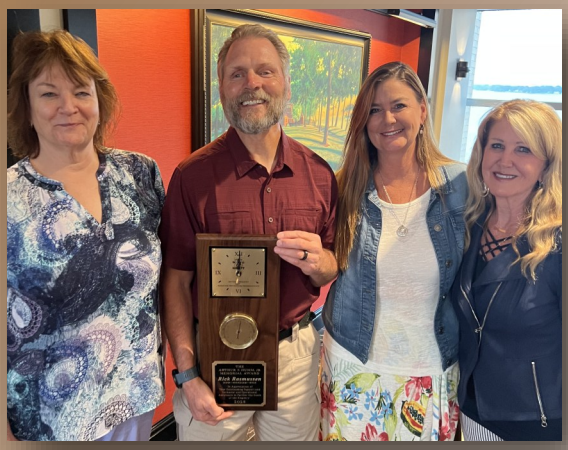


Arthur F. Humm, Jr. Award
Presented to Rick Rasmussen
by Kelli Gallion-Sholler, Awards Committee Chairman



It was a great honor to present the Arthur F. Humm, Jr. Memorial Award, our highest honor, to a truly deserving individual who has made an extraordinary impact on our organization, that individual is Rick Rasmussen! The Arthur F. Humm, Jr. Memorial Award is presented to those who have demonstrated outstanding support to the NRRPT and Rick exemplifies this spirit in every way.

Serving as the exam panel chairman from 2012 to 2015, and then as the chairman of the board of directors from 2019 to 2023, Rick has shown unwavering dedication and commitment to our mission. In fact, he is one of only two individuals to have held both chairman titles—a testament to his exceptional capabilities and leadership!





Rick's unwavering support, exemplary leadership, and genuine friendship have enriched our organization in countless ways. He has inspired us all to be better, to strive for excellence, and to care for one another. Congratulations, Rick, well deserved!



The Award ceremony took place during our night out at the 104th meeting of the Board and Panel of Examiners in Madison, WI. We were joined by Rick's wife, Janneke, their son, Drew, and Drew's wife, Diana.

Back to Business in Madison, WI!!

Exam Panel (and Board members) hard at work

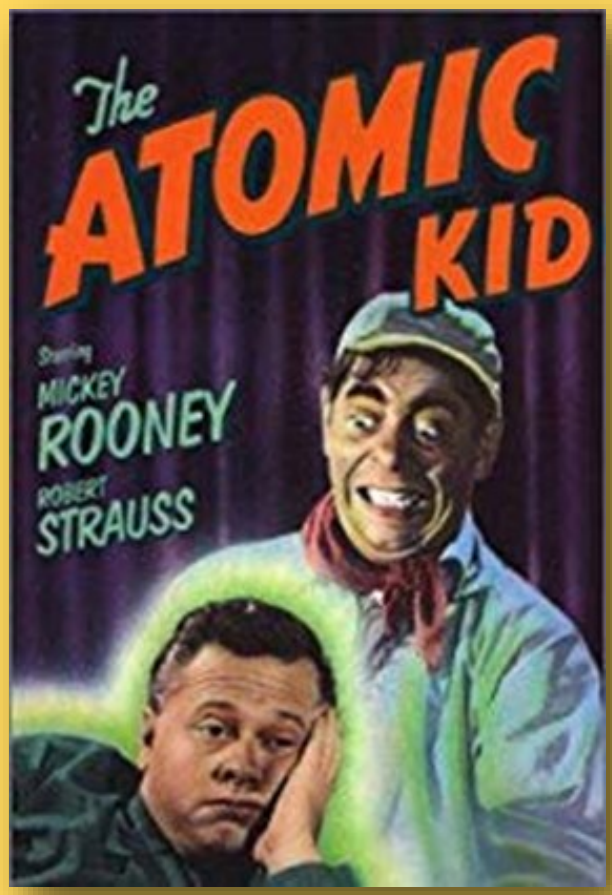








RAD MOVIE REVIEW!



1954 Movie Poster

The Atomic Kid (1954)

Mickey Rooney, Robert Strauss & Elain Davis

Our heroes are Barnaby "Blix" Waterberry and Stan Cooper. Typical for the 1950's, they are in search of a get rich/famous scene without a lot of work.

Today's goal? To discover uranium!

Reality? Get lost during several long, hungry, and hot days in the Nevada desert.

The schtick? Our heroes find themselves near what they think is an airport tower for a private airstrip that just happens to be in the middle of where they are lost. Of course, they notice the count rate on their nifty Geiger counter as they pass the tower. Who wouldn't?

Obviously, the clicks mean there's uranium underground – right by the nearby house in the middle of nowhere! No one answers their knock – not letting that stop them, they climb in the window to be met by mannequins. Blix decides to stay at the house and find something to eat.

Stan jumps in the car to "stake their claim."



Fun with the Geiger counter (press release)



Youtube screen grab



Movie Still (press release)

As the physicists and the army prepare the experiment to detonate the bomb, soldiers grab Stan and shield him in their safety ditch. Off goes the bomb! Later, the soldiers go back to the house for bomb damage assessment. Not only do they find wreckage, but they find Blix too – still holding his peanut butter sandwich. Blix is rushed to the hospital and in enters Audrey, the "nurse-who-falls-for-the-toad" (Elaine Davis).

You guessed it, the secret gets out and Blix becomes a national hero. But poor Blix is sick and radioactive, and robot hands provide his care. His consolation is Audrey but she causes Blix's "radioactive neutrons" to become hyperactive. Ah, love!

Next, we have the human testing, inevitable movie/book deals, and an offer to hype peanut butter worth a fortune. The best offer is worth a cool million for Blix's biography but written by his old friend Stan. Who, by the way, is unwittingly working for the Russian spy ring.

Madcap adventures abound! They wind up using lapel cameras, the FBI, seriously malfunctioning electronics, a love triangle, and a spy ring. Actually, king of funny…



Movie Still (press release)

I think the best bit is when Blix's neutrons become hyperactive. Real life it tough enough when you're dating. Imagine getting excited and glowing at your girl!

The movie ends with our hero and his nurse head to Hollywood for a movie about their story. They get lost. They stop at another house full of mannequins. They high tail-it out!

If you can find a copy, this is well worth a watch. Good laughs here!

~ By the late Peter Darnell, RRPT, CHP, amateur movie critic

NRRPT Logo Merchandise Available!

Dear NRRPT Members,

We're excited to announce that NRRPT logo merchandise is now available through Bonfire! Whether you're looking for a tank top, t-shirt, hoodie, hats, mugs or duffel bags, Bonfire makes it quick and easy to order.

Shop now: https://www.bonfire.com/store/nrrpt-logo-merchandise/

You can also find the link on the NRRPT website home page.

We hope you enjoy the new products and show off your NRRPT pride!

25 Years + as an RRPT

The following members were registered 1998 & 1999

1998

ADDERLY, JAMES W.
AKINS, JR., LEON BRYANT
ARMSTRONG, JASON A.
BAKER, RICHARD E.
BARKER, DONALD W.
BARTLETT, DAVID M.
BAUM, JON E.
BEDGOOD, PAMELA J.
BELROSE, SUSAN G.
BILLINGS, DEWAYNE L.
BISBEE, MARY LOUISE
BROWN, THOMAS M.
BROWNING, RONALD J.
BURGESS, THOMAS B.
BURNS, CHERYL L.
CAREY, MARK J.
CARTER, DOUGLAS A.
CARTER, GARY M.
CELESTE, PETER J.
CITZLER, STEPHEN E.
COLBORG, SHAWN P.
COPE, JEFFREY C.
COSTIGAN, STEPHEN A., CHP
CROTTS, JODY R.
DAVIS, DENNIS R.
DAYTON-BROWN, JOYCE E.
DECKER, THOMAS L.
DELAWDER, ROBERT S.
DIVITTORE, DEAN A.
DOBBINS, STEVEN L.
DOSCHER, JOHN C.
DOVE, RICK P.
DURAN, DENNIS A.
EICHELBERGER, III, LOUIS E.
ELLISON, KENNITH T.
ERB, MICHELE E.
FAHLE, PHILLIP S.
FAIRCHILD, II, ROBERT F.
FERRY, TIMOTHY W.
FLOWERS, JR., ARTHUR
FORBUSH, DONALD S.
FORTIER, RANDALL J.
FRARY, III, JACK L.
FRECHETTE, JOSEPH L.
FREILING, STEVE A.
GALLION-SHOLLER, KELLI A.
GAUDRAULT, DAVID P.
GERHARDT, PAUL D.
GILBRIDE, TIMOTHY S.
GOSNAY, ROBERT J.
GRATTO, STUART W.
GREENSTOCK, CLIVE L.
GREIF, LISA L.
GROTRIAN, GERALD A.
HAAS, DOUGLAS A.
HAGEN, DARREN L.
HALE, JOHN P.
HALL, DAVID W.
HAMLER, STEVEN E.
HAMLETTE, DAVID L.
HANSEN, THOMAS W
HANSON, DONALD J.
HARROP, PATRICK M.
HARTMAN, HARRY G.
HATCH, DOUGLAS W.
HELD, GLEN D.
HORNICK, JAMES A.
HOUVENER, II, GERALD G.
HOW, MARK
HUGHES, MARY E.
IZBICKI, DONALD J.
JENKINS, BRYN J.
JOHNSON, THOMAS E., CHP
JONES, RANDAL P.
JOYNER, WALTER P.
KEAS, SHANDRA D.
KEETON, WESLEY K.
KEHN, MICHAEL J.
KELLER, NEIL A.
KELLER, STEVEN L.
KENNEDY, SHIRLEY M.
KENT, MICHAEL D.
KLINE, KRIS B.
KOELKER, DANA L.
KURLAK, RICHARD J.
LANKA, VENKATA K.
LASHBROOK, STEPHEN L.
LEWIS, JAMES F.
LUSBY, RICHARD D.
LYNCH, JOSEPH H.
MALDONADO, ABELARD S.
MAREK, JEFFREY E.
MARSTON, JOSEPH B.
MARTINOVICH, MILICH
MCCONNAUGHAY, PRISCILLA S.
MCCRANIE, GARY P.
MCGOWAN, ANTHONY E.
MERCER, HAYDEN M.
MESKER, RICHARD T.
MILLER, DAVID J.
MILLER, DONALD R.
MORGAN, IRA L.
MORGAN, NED
MORRIS, W. PAUL
NEU, JOHN R.
NOLL, KARL G.
NORRIS, MICHAEL B.
NORRIS, ROBERT A.
NUGENT, ROBERT F.
O'HARE, CLARA T.
ORCHEL, JR., STAN
OTLOWSKI, MICHAEL K.
PAPADOPOULOS, WILLIAM G.
PARKS, ANTHONY F.
PEAY, ANTHONY L.
PELL, BRYAN S.
PEPLINSKIE, GERARD F.
PRATT, STEVEN G.
PRIDE, RONALD V.
RASMUSSEN, LEN R.
RAYFORD, DEWAYNE A.
REAVIS, RONALD
REVELLE, WILLIAM MATTHEW
ROBBINS, ANN M.
ROLFE, KEVIN D.
ROMANOWICZ, GRACE E.
SAKACH, YEVONNA R.
SANTO, JAMES T.
SARNOWSKI, MICHAEL A.
SCHLISE, LARRY D.
SCHMIDT, ANTHONY W.
SEBASTIAN, JOHN E.
SELLERS, LEWIS R.
SEXTON, BONNIE L.
SEYMOUR, JOHN E.
SHALKOWSKI, JAMES G.
SKILES, MIKE D.
SLOAN, CARL C.
SMALLEY, RICHARD A.
SMART, II, WILLIAM C.
SMITH, JAMES E.
SMITH, MARK T.
SMITH, RICK L.
SOBER, JULIA C.
SOMMER, GEORGE J.
SPEAR, SAMUEL E.
SPICER, STEPHEN D.
STEVENS, CELESTE L.
STINSON, ALEC E.
STUART, MICHAEL J.
STUCKEY, FREDERICK A.
STUHLMAN, MARK E.
SULLIVAN, PATRICK T.
THORPE, JAMES B.
THRASHER, MURRAY H.
TISDALE, CHARLES A.
TREVATHAN, DAVID C.
TUBBS, DUANE E.
TUCK, FRANK T.
TUCK, MAHLON O.
TUCKER, DALE S.
TULL, DANIEL D.
TUNSTALL, II, PEYTON A.
VAN WART, JOHN A.
VANDERBOEGH, JILL A.
VANDERHORST, LARRY L.
VON AHN, KARL
VUXTA, JR., WILLIAM
WAGNER-DIGGS, MICHAEL I.
WALKER, JAMES E.
WARREN, ERIC M.
WEERS, CINDY L.
WELLS, KENNETH C.
WHITE, ELIZABETH T.
WHYBARK, PAUL D.
WIAND, TRACY L.
WILLIAMS, BILL E.
WILLIS, ALICE R.
WILSON, SCOTT L.
WINKLER, LORA
YOUNG, JOHN P.
YOUNG, KENNETH G.
YOUNGMAN, DALE A.
ZERR, LLOYD P.

1999

ABERNATHY, ROBERT J.
ANDREWS, GEORGE S.
ATCHISON, DEAN C.
BARNES, RICHARD R.
BARR, SEAN A.
BAUM, JAY F.

BELANGER, MITCH
BISHOP, BRIAN H.
BISHOP, ROBERT S.
BLAESS, KIMBERLY L.
BLAIR, JOHN S.
BLAKE, CHAD W.
BLANKENSHIP, TAMMY KAYLOR
BRADLEY, CHERIE'
BRAINARD, DOUGLAS P.
BREISCH, GREGORY R.
BRITTON, JR., CLARENCE W.
BROWN, SCOTT D.
BRYANT, BRUCE D.
CABLE, RICHARD J.
CHAPIN, BILL L.
CHAPPELL, JOHN J.
CLEMENT, RICHARD S.
COCO, RICHARD A.
COURVILLE, KENNETH C.
COX, JULIE A.
CRACCO, JOSEPH V.
CROOKS, SHAUN C.
CUCCHIARA, ALFRED L.
DEMPSTER, DAVID W.
DETCHEMENDY, JOHN W.
DORSEY, DAVID L.
EDWARDS, EARLE E.
ELLWEIN, KARL J
ENTZMINGER, ROBERT S.
ESTRADA, GILBERTO R.
EVANS, HERBERT
FERRIGNO, GREGORY K.
FISHER, ROBERT W.
FOSTER, NATHANIEL D
FOULK, PATRICIA A.
GAJEWSKI, DAVID A.
GERE, ANDREA K.
GOODWIN, RANDAL D.
GRANIERI, ANTHONY M.
HAGGARD, WALTER F.
HALE, DOUGLAS F.
HALL, STEPHEN J.
HANEY, EDWARD M.
HARMON, NICHOLAS J., CHP
HARRIS, JAMES DEAN
HARTE, LEO J.
HATCHER, MAURICE E.
HATTEN, JAMES C.
HATTON, BRYAN C.
HECKMAN, JOSEPH M.
HINSON, WILLIAM M.
HUNTER, MADELINE E.
HUNTER, SR., HARRY L.
JOHNSON, KENT A.
JOOSSE, DANIEL W.
KEITH, DWAIN A., CHP
KOSKO, KEVIN D.
LEE, SUN G., CHP
LENHART, JR., JOSEPH
LEVINE, ANDREW E.
LUMMER, STEPHEN J.
LUND, LINDA M.
MADOLE, ELMOND L.
MATOVIC, FRANCIS M.
MCGOWAN, PAUL N.
MCGUIRE, MICHAEL E.
MCNIECE, ADAM P.
MEAD, RODNEY L.
MILLER, REGINA L.
MOELLER, CARL A.
MONTGOMERY, KEVIN S.
MURILLO, JESUS
MURRELL, GERALD R.
NAPPI, SAMUEL A.
OTT, BRYAN M.
POLK, BRADY L.
POMPEO, DOMINIC C.
PRY, JAMES S.
RAGAN, DONALD A
RILAND, CARSON A., CHP
ROBERSON, MICHAEL P.
RUBENSTEIN, JON R.
RUFFIN, RANDY T.
SARGIS, AMY F.
SCHROEDER, DENNIS A.
SIMMONS, THAD W.
SMITH, DANIEL S.
SMITH, LATRELLE E.
SPAHR, JOSEPH J.
SPRUILL, WILEY R.
STILLS, MITCHELL J.
STOFFER, JEFFREY R.
TAYLOR, DEWAYNE M.
TAYLOR, DOUGLAS B.
TAYLOR, MICHAEL J.
TERRAZAS, BILLY A.
TERRY, DONALD J.
TRAVERSO, EDWARD J.
TRENT, STEVEN I
VIEIRA, CAROLYN M.
WADE, JAMES B.
WALKER, MYRON K.
WALTON, HEIDI A.
WHITENER, CHRISTOPHER A., CHP
WILLIAMS, STEVEN R.
WODARCZYK, ANDREW K.
WOOD, DARYL A.
WREN, CHRISTOPHER T.
WRIGHT, MERLIN C.
ZAFONTE, FRANK J.
ZAHRA, PAUL J.
ZOLOTAS, GEORGE T.

2000

AADAHL, HARVEY M.
ABKEMEIER, ERIK J., CHP
ANDERSON, JON S.
ANDERSON, KAREN
ANDREI, MARK T.
BAKER, ERIC M.
BALL, JR., JULIAN A.
BANGARD, JAMES R.
BARNES, ROBERT L.
BEACH, JOHN E., CHP
BEAN, TOM E.
BEATTY, SCOTT M.
BIESE, TIMOTHY J.
BLANKS, TOMMY W.
BRAMBLE, JEFFREY R.
BRITTEN, JAY M.
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BURNSIDE, KENNY W.
BURTON, JR., RICHARD L.
BUTLER, ROGER N.
CADY, JEFFREY J., CHP
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GALLEGOS, GERALD A.
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GINKEL, STEPHEN J.
GRIGG, DAVID F.
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HAYES, CANDY C.
HAYWARD, ROGER L.
HAZARD, TINA M.
HEALY, SHAWN B.
HEALY, TERRENCE E.
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JORDAN, DANIEL
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LANGE, PETER M.
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LECLAIR, GENE F.
LIDDLE, CURTIS B.
LILES, SHARON K.
LONG, ROYCE E.
MARSHALL, KENNETH J.
MAURER, BREY J.
MCAVOY, MARLON L.
MCBRIDE, DALE D.
MCGUIRE, STEVE B.
MCNETT, TROY B., CHP
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MILLER, HARRY W.
MOIST, GEOFFREY C.
MORRIS, DONALD G.
MORSBERGER, CLIFTON R.
OLD, ROBERT L.
OSBORNE, TIMOTHY W.
PALMER, CURTIS L.
PEARSON, RONALD D.
PEPPLE, LAWRENCE R.
PITTS, MICHAEL A.
POINTER, PAUL E.
POND, ROYAL G.
POPE, JOSHUA R.
PRICE, JAMES I.
PROPPER, MICHAEL R.
REED, ROBERT G.
RENDELL, KARLA J.
RICHMOND, RANDALL J.
RICHWINE, JAMES A.
RIDER, VICKY L.

ROMFO, JASON H.
ROSS, BECKY J.
ROTEN, HENRY W.
SCIANCE, THOMAS W.
SHANE, SCOTT R.
SHARP, GREGORY A.
SIMMERS, MATTHEW L.
SIMON, ERIK P.
SINNER, DANIEL A.
SMITH, JAMES R.
SMITH, TODD B.
STEVENS, CLINTON L.
STIEF, BOBBIE G.
STRACK, STEPHEN G.
STURM, GARY A.
TANNER, SEAN M.
TARPLEY, CHARLES R.
THOMAS, ROBERT D.
TOMCHAK, JUSTIN A.
TOWEY, FRANCIS X.
TREAT, ALAN R.
TUDOR, DAVID A.
TUTTLE, JR., JOSEPH W.
UNCAPHER, JOHN B.
WALLACE, SHARI A.
WOODTKE, TERRANCE H.
WOOLDRIDGE, LANCE J.
ZOLLER, SCOTT G., CHP
ZORN, MICHAEL J.

Please contact the Executive Secretary if you have a

"Greater than 25 Years as an RRPT" story to share!

Executive Secretary—DeeDee McNeill—nrrpt@nrrpt.org



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At Mirion Technologies, we partner with industry leaders to advance radiation safety and empower the next wave of critical innovation. From detection and measurement to monitoring and analysis, we empower innovators across industries — in leading-edge R&D labs, critical nuclear facilities, and on the front lines — with radiation safety technologies that operate with the highest levels of precision. We partner with our customers to build solutions that deliver complete confidence in safe operations and harness the transformative power of safe radiation to move our world forward.
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GRIFFOLYN®: CONTAINMENT SYSTEMS FOR OUTAGE, MAINTENANCE & CONSTRUCTION PROTECTION

For more than six decades, Reef Industries has been providing a variety of specialty reinforced plastic laminates to the nuclear industry. These products are ideal for containment during outages, construction, maintenance and decommissioning projects. Strong, yet flexible, lightweight and easily handled, Griffolyn® products are highly resistant to tears and have an exceptional outdoor service life.

Griffolyn® can be produced with specialized properties including fire retardancy (NFPA 701) and low contamination for safety applications around critical materials or work areas. Performance features such as corrosion inhibition and anti-static properties are also available for sensitive equipment. Products range in weight, thickness and special composites, and are ideal for:

- Floor covers
- Custom box liners
- Containment enclosures
- Bags
- Tubing
- Outdoor/Indoor storage
- Shipping covers for contaminated equipment
- Secondary containment systems
- Decontamination pads
- Underslab vapor retarders for critical applications
- Feed water heaters/rotor covers
- Soft-sided packaging for surface contaminated objects
- FME barriers

The advantages of using Griffolyn® containment products for new plant construction and maintenance projects are vast but the immediate recognized benefit is the reduction in the costs associated with improving project schedules. Griffolyn® products reduce the volume of radwaste, which in turn lowers disposal costs.

From assisting in the design of uniquely configured and fabricated products to one of a kind materials custom built from scratch, Reef Industries' highly experienced staff can fabricate a product that meets your exact requirements. Custom printing capabilities are also available to meet any message requirements. We can custom configure a product with nylon zippers, hook and loop fasteners, grommets, D-rings, webbing, pipe loops or many other possibilities. Reef Industries can work with exact dimensions, sketches and/or ideas to custom design and build a product specifically suited for your needs.

Stock rolls and sizes are available for immediate shipment. If you require dependable, long-lasting, cost-effective on-site fabrication tape, Reef Industries can supply you with pressure sensitive and/or double-sided tape. Custom design and fabrication are available in 7-10 days.

RSI Envirachem

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RSI is a dynamic group of companies providing a range of environmental, nuclear, construction management, project delivery, and specialty professional services. We serve clients at all phases of cleanup from strategy to stewardship.

RSI offers nearly 30 years of experience partnering with federal agencies and private industry to plan and execute complex cleanup initiatives that protect, restore, and reimagine sites nationwide. We are supporting the world's largest environmental cleanup mission for the Department of Energy and helping the nation's largest public utility deliver next generation power solutions to the region. We are supporting the Navy's commitment to restore legacy national defense sites for turnover to the community and cleaning up historical sites in partnership with the U.S. Army Corps of Engineers and other Department of Defense agencies. Our portfolio represents our environmental heritage and enduring purpose to leave things better than we found them for future generations.

Our Parent Company

RSI is part of ASRC Industrial (AIS) which is wholly owned by Arctic Slope Regional Corporation, an Alaska Native Corporation. RSI represents the AIS environmental services line of business, serving clients nationwide. Under Alaska Native Corporation ownership, RSI companies are classified as Small Disadvantaged Businesses (SDBs) and offer 8(a) advantages.



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Among the nation's top utility companies in size and sales, Ameren is the parent of Ameren Missouri, based in St. Louis, MO, and Ameren Illinois, based in Springfield, IL. Ameren is also parent to several nonregulated trading, marketing, investment and energy-related subsidiaries. Ameren employees, totaling approximately 7,400, provide energy services to 1.5 million electric and 300,000 natural gas customers over 44,500 square miles in Illinois and Missouri.

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Cabrera Services Inc. is a leader in providing high-quality turnkey environmental and radiological remediation services for federal agencies and other clients for 28 years. We rely on our knowledgeable staff to achieve the timely and cost-effective cleanup of large and complex remedial action projects including the Maywood Superfund Site in New Jersey where we hold the largest U.S. Army Corps of Engineers (USACE) FUSRAP single award contract given to a small business. Our entire team is committed to safety. This commitment has been recognized with multiple National Safety Council awards including Million Work Hours, Perfect Record, and Occupational Excellence awards. Client recognition includes a Certificate of Appreciation for Contractor Safety from USACE, Buffalo District for remediation at Linde FUSRAP and a 500K safe man-hours worked certificate from USACE for the Maywood Superfund Site. We recently achieved the milestone of one million workhours without a lost-time incident.

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ISO 9001:2015 certified manufacturer of traditional and advanced-technology air sampling instruments, airflow calibrators, filter holders, consumables and accessories. Air Sampler product lines include; high and low volume, tritium, C-14 and battery-powered air sampling systems. Various models are available for both portable and environmental sampling systems. Consumable product line includes; filter paper, TEDA impregnated charcoal cartridges and silver zeolite cartridges. F&J provides comprehensive collection efficiency data for radioiodine collection cartridges. F&J manufactures the premier line of small lightweight emergency response air samplers which can operate from line power, on-board batteries or an external DC power source. Battery powered units have on-board charging systems.

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Incorporated in 1983, Frham Safety Products, Inc. continues its sole purpose of manufacturing and distributing products to the Nuclear Power Utilities, DOE, DOD, Naval facilities as well as several industrial accounts and related users of safety supplies and equipment.

From the creators of proven products such as the Totes Overshoe and the Frham Tex II, Frham continues their objective to provide products and services which meet or exceed the specifications set forth by customers and the industries that it serves. These revolutionary new concepts include Life Cycle Cost Management (LCCM), Mobile Outage System Trailer (MOST) and Certified Disposable Products (CDP).

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HI-Q is an ISO 9001:2015 and ISO/IEC 17025:2017 Certified designer and manufacturer that has been providing **Air Sampling & Radiation Monitoring Equipment, Systems and Services** to the nuclear and environmental monitoring industries since 1973. HI-Q's product line ranges from complete stack sampling systems to complex ambient air sampling stations. HI-Q's product catalog includes Continuous duty high & low volume air samplers, radiation measurement instrumentation, radiation monitoring systems, air flow calibrators, radioiodine sampling cartridges, collection filter paper and both paper-only and combination style filter holders. Along with the ability to design complete stack & fume hood sampling systems, HI-Q has the unique capability to test ducts and vent stacks as required by ANSI N13.1-1969 / 1999 / 2011 / or 2021.

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Answers

