



Conference of Radiation Control Program Directors, Inc.

NEWSBRIEF

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A Partnership Dedicated to Radiation Protection

August 2011

Message from Chairperson Alice Rogers, PE



One of the great benefits of CRCPD membership is the opportunity to meet and work with our peers from other states and federal agencies. Recently in my state, a radiography camera containing a 33.7 Curie Iridium 192 source was stolen. Due in large part to relationships established through CRCPD, we were able to coordinate easily with federal and other state agencies to facilitate awareness and search efforts. Another example of a benefit from CRCPD membership is states sharing budget cutting ideas. Finally, recent sharing of penalties assessed for a heart CT scanning facility with no physician prescribing the testing helps us explain and justify sanctions in similar cases. What else can CRCPD do for you or your program? As Ruth states in her column, we really do want your comments on

what you want from CRCPD.

Even though we are in the throes of a long, hot summer, the Board has been quite busy these last few months. A good amount of our time has been spent working on ‘after action’ activities regarding the Fukushima incident. We expect that we’ll be coordinating with our federal partners for quite a while longer as we work through the issues we’ve identified.

As I’ve commented in previous editions of the *Newsbrief*, it is important that we follow and comment on developments in radiation control on the national level. Some notable ones that the Board has been following include: changes to the Nuclear Regulatory Commission’s rules on low-level radioactive waste disposal, definition of medical events, and possible

adoption of international radiation dose limits. Even those who deal primarily with machine-produced radiation should be following the NRC’s efforts regarding changing dose limits, as the NRC rules often have a collateral effect on regulations regarding doses from machine-produced radiation.

Note: if you are wondering about the camera, it has not been recovered--its theft remains an open case.

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Greetings from Your Executive Director



Ruth E. McBurney, CHP

Membership in CRCPD: It's Still a Great Value

Like many professional societies in current times, CRCPD has seen a slight decline in membership over the last few years. In addition, many of our active "Baby Boomer" members are retiring from state and local radiation control programs, thus leaving vacancies and opportunities to serve on several of the CRCPD working groups. The committees and task forces that make up the working groups are vital to the accomplishment of many of the objectives and projects of the organization and to addressing member needs.

In order to attract new members and keep the current ones engaged, we need to know whether the organization is on the right course in providing benefits to our members. Each year, the Board of Directors develops a set of priorities based on the CRCPD Strategic Plan. Many of the priorities this year are focused on providing greater value and relevant resources for our members, as well as increased interaction. These include:

- Increase membership and participation on working group
- Expand the number and types of useful products, including Suggested State Regulations, inspection procedures, outreach materials, and handbooks
- Continue to support radiation-related training
- Assume a leadership role in radiation protection and public policy issues

I am happy to report that over the next several weeks, two new products will be available for use by the membership:

- ▶ Qualified Medical Physicist (QMP) Registry. CRCPD is working with the American Association of Physicists in Medicine to develop a registry of Board certified medical physicists, with names, city and state, certifying body and field of certification. CRCPD will give access to the QMP Registry to the public, employers of medical physicists and government agencies to validate the medical physicist is board certified, including the category in which the physicist is certified and modality-specific qualifications. We will send out a more detailed notification to the membership when it is ready for launch.
- ▶ Federal Radiological Monitoring and Assessment Center (FRMAC) Database of state resources for emergency response. This database was developed several →

Executive Director Greetings *(Continued)*

years ago for FRMAC to include the resources and capabilities in each state for response to radiological emergencies.

The database is being formatted for use by radiation control programs. Once implemented, state CRCPD Members will be able to access the information, and, working with staff of the Office of the Executive Director (OED), will be able to update the information.

Other new initiatives are in the works. As reported by Jennifer Elee at the 2011 National Conference on Radiation Control, CRCPD is piloting a registry of radiation machine-based adverse medical events. The H-38 Committee on Radiation Medical Events is working with FDA's Center for Devices and Radiological Health and professional organizations to define the criteria and develop the database of medical events to be tracked.

These tools and other initiatives of CRCPD point out the value of the organization. I encourage you to involve your technical staff in CRCPD and working groups in their fields of interest and expertise. Their participation on working groups benefits all radiation control programs through the development of consensus standards, procedures, and peer-reviewed information. It also is great for personal professional development, which benefits not only the individual but also the radiation control program in which that person is working.

We also need to hear from you as to whether we are on the right track with the products and services CRCPD provides. Feel free to call or email me or a Board member if there are other things that we should be involved in as a relevant benefit to members. We have been able to carry out our objectives over the past few years through agreement with and resources from federal partners and generous contributions from several professional societies, without increasing dues. I hope you will continue to find CRCPD membership a value to you professionally and to the field of radiation protection.



NCRP Seeks Qualified Candidates for President

JOB POSTING BY THE NATIONAL COUNCIL ON RADIATION PROTECTION AND MEASUREMENTS (NCRP) FOR PRESIDENT

National Council on Radiation Protection and Measurements (NCRP), 7910 Woodmont Avenue, Suite 400, Bethesda, MD 20814-3095 Attn.: Dr. Jerrold Bushberg, NCRP Senior Vice President (bushberg@NCRPonline.org)

Description: President of the National Council on Radiation Protection and Measurements (NCRP). NCRP is seeking candidates for the position of President to replace the retiring current President, Dr. Thomas S. Tenforde. It is expected that the selected candidate will be named in 2012 and will serve as an advisor to NCRP until formal election as President occurs at the Annual Business Meeting. The President of NCRP serves as the leader, chief spokesman, and public representative of the organization. Candidates for this position must have well documented expertise in areas of radiation protection and measurements relevant to meeting the Congressionally-mandated objectives of NCRP, and demonstrate a strong record of success in obtaining funding for research projects from federal and private sector sources. A record of successful interactions with representatives of federal agencies and Congressional representatives is highly desired. Prospective candidates must have a doctorate in either the physical sciences or life sciences. Demonstrated experience in scientific and financial management for a period of at least 10 years is essential. The successful candidate is expected to reside in the greater Washington, DC area. Compensation and other terms of employment will be negotiated with the successful candidate. NCRP is an equal opportunity employer that offers an excellent benefits package. Interested candidates should submit a letter of interest and a CV, including a complete description of prior job titles and experience and a list of publications. This information should be submitted to Dr. Jerrold Bushberg, NCRP Senior Vice President, 7910 Woodmont Avenue, Suite 400, Bethesda, MD 20814-3095 (fax: 301-907-8768; e-mail: bushberg@NCRPonline.org). The closing date for this announcement is **January 1, 2012**.



CRCPD Working Group Activities



Update on NRC's Groundwater Task Force

By Patrick Mulligan (NJ), Chair, HS/ER-5 Committee on Emergency Response Planning

On July 12, 2011, NRC released two documents related to the Commission's review of the Groundwater Task Force (GWTF) and the Senior Management Review Group's (SMRG) investigation into the issue of tritium leaks at fixed nuclear facilities. The first, "Chairman Jaczko's comments on SECY-11-0076, Improving the Public Radiation Safety Cornerstone of the Reactor Oversight Process" (ADAMS Accession No. ML111950661) provides NRC Chairman Jaczko's views on staff efforts to enhance the Reactor Oversight Process to emphasize defense in depth through prevention, detection, and mitigation of groundwater contamination. The second document, "Chairman Jaczko's comments on SECY-11-0019 (ADAMS Accession No. ML111950682), Senior Management Review of Overall Regulatory Approach to Groundwater Protection," provides Commissioner Jaczko's opinion on the overall regulatory approach to groundwater protection. The following points are taken directly from Chairman Jaczko's published opinions. The first six bulleted quotes are from SECY-11-0076 and the next seven bulleted quotes are from SECY-11-0019.

- I support the staff's efforts to enhance the Reactor Oversight Process to emphasize defense in depth through prevention, detection, and mitigation of groundwater contamination.
- I also support the staff's commitment to work with internal and external stakeholders on this enhancement to the performance indicator program.
- I continue to believe that periodic updates to the agency's performance indicators are necessary in order to revitalize the NRC's oversight and ensure better insights into a licensee's performance.
- The fact that these events have not had offsite impacts does not mean it is acceptable for licensees to have accidental releases of radiation even onsite. In some cases, the releases have not had offsite consequences because the plumes have migrated to much larger bodies of water in which there is sufficient dilution to reduce the concentration levels. While this fact has positive impacts on the overall health effect, it is simply inappropriate for the regulator to base its inaction on the dilution strategy. →

CRCPD Working Group Activities

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Update on NRC's Groundwater Task Force *(Continued)*

- While I appreciate the industry's efforts to address underground leakage and groundwater contamination, I believe it is necessary for the agency to objectively and independently monitor licensees' performance and openly provide that information to the public. Therefore, I approve the staff's recommendation of modifying one or more key program areas of the Reactor Oversight Process to minimize reliance on Action Matrix deviations and yield more consistent, reliable regulatory outcomes.
- The staff's current practice of deviating from the Reactor Oversight Process to address licensee performance involving groundwater contamination does little to help our stakeholders' understanding of the significance of the leakage and the licensee's performance.
- The wisdom of relying upon voluntary initiatives is being questioned as the accident in Japan continues to unfold. Now is not the time to forego our responsibility as additional information suggests mitigation strategies similar to our voluntary initiatives may not have been as successful as anticipated.
- I think there is significant value in, at a minimum, codifying the industry's initiatives to ensure consistent identification and timely reporting of leakage leading to groundwater contamination.
- I supported the staff's efforts to enhance the Reactor Oversight Process to emphasize defense in depth through prevention, detection, and mitigation of groundwater contamination. I also support the staff's commitment to work with internal and external stakeholders on this enhancement to the performance indicator program.
- While I appreciate the industry's voluntary efforts to address underground leakage and groundwater contamination, voluntary initiatives do not relieve the regulator from consistently and appropriately enforcing its regulatory requirements to monitor, control, and limit releases of radioactive materials from nuclear power plants. →

CRCPD Working Group Activities

[Continued]



Update on NRC's Groundwater Task Force *(Continued)*

- With regards to the industry's groundwater protection initiatives, there is no consistency in the quality, quantity, and frequency for sampling, and consequence, or possibility of using the critical tool of enforcement for allowing an adopted standard to lapse. I believe this illustrates the inherent weakness of allowing voluntary initiatives. Rather than the NRC providing clear and consistent regulatory requirements as a strong and decisive regulator, it abdicates our responsibility as the regulator to licensees.
- I commend the staff for working with consensus standards organizations, such as the ASME (American Society of Mechanical Engineers) Code committees and NACE, to gain a better understanding of inspections of non-safety related piping incorporated into ASME code cases and to evaluate the need for corrosion protection standards specific to the configuration of piping at nuclear power plants. I believe this type of collaboration provides many opportunities that could also enhance our understanding of safety related piping as well.
- I continue to believe that the agency should conduct as much of its responsibilities as possible in an open and transparent manner. This philosophy, in concert with the agency's regulatory processes, provides extensive opportunities for public and stakeholder participation, and is far more open and transparent than voluntary initiatives to guide the agency's actions.

The opinions and recommendations of NRC Chairman Jaczko certainly reflect the opinions and feedback provided to the NRC from state stakeholders through CRCPD involvement. As the NRC Commission provides staff recommendations for moving forward with the initiatives to enhance the groundwater protection program, CRCPD will continue to be involved, providing feedback and comments as necessary.

Additional information about the Groundwater Task Force was provided in the February/March 2011 issue of the *Newsbrief*.



CRCPD Working Group Activities

[Continued]



Report on IND Forum Conference

By Frieda Fisher-Tyler, CIH, (DE) Homeland Security/Emergency Response Council Chairperson, and Adela Salame-Alfie, Ph.D., (NY) CRCPD Board of Directors, Past Chairperson

Frieda Fisher-Tyler and Adela Salame-Alfie participated in the Improvised Nuclear Device (IND) Forum in Washington, D.C., July 12-13, 2011. The purpose of the multi-agency IND Forum was to address progress made to date, and provide a forum for subject matter expertise input to federal plans for implementing the U.S. Department of Homeland Security (DHS) Strategy for Improving the National Response and Recovery from an IND Attack (IND Strategy). The IND Strategy document was published on April 21, 2010, and provides a framework to prepare for, respond to, and recover from an IND event, in support of the DHS FEMA mission to reduce loss of life and property, and protect the Nation from all hazards, including natural disasters, acts of terrorism, and other man-made disasters.

The DHS Strategy builds upon the guidelines contained within the National Response Framework (NRF), and identifies capabilities needed to respond to and recover from an IND incident within the NRF and its annexes. The primary goal in responding to and recovering from an IND attack is specified in the IND Strategy as limiting the total casualties resulting from such an event. Key objectives identified in the IND Strategy document include managing the response, characterizing the incident, mass evacuation and in-place protection, medical triage, casualty and evacuee care, stabilizing and controlling the impacted area, performing site recovery and restoration of essential functions. In addition to the seven key objectives, there are cross-cutting objectives that require additional focus and effort, since they apply broadly across the response and recovery spectrum: public information awareness, stakeholder mapping and coordination, modeling and decision support, information exchange and communication, scientific support, and research and development.

The conference was organized into a plenary session on day one, which included an overview of the FEMA Strategic Approach to Emergency Management, with panel discussion of the Fukushima disaster by federal agencies and organizations deployed to Japan, followed by a state and local panel addressing radiological emergency management operations, and a session introducing the Working Group Breakout sessions to be held on Day Two.

On Day Two, working groups broke out into separate meetings. Adela Salame-Alfie and Frieda Fisher-Tyler of the CRCPD Board of Directors attended the IND Public Health and Medical →

CRCPD Working Group Activities

[Continued]



Report on IND Forum Conference *(Continued)*

Working Group break out session, and presented for 30 minutes on state and local lessons identified from the Japan Response. Presentations on lessons learned from the Japan response were also made by Steve Sugarman of REAC/TS, and Dr. Robert Jones of CDC. Other presentations included Dr. Charles Miller on Population Monitoring and the CDC Virtual Community Reception Center, Dr. Judy Bader on the Radiological Emergency Medical Management (REMM) Website, and John Koerner presenting on the new Department of Health and Human Services, Assistant Secretary for Preparedness and Response's (HHS ASPR) State and Local Planners Playbook for an IND. A briefing was held on the working group project, and next steps were mapped for discussing and prioritizing Courses of Action. Courses of Action developed by each working group will be included as Annexes to an implementation progress report on the IND Strategy document, targeted for completion in September 2011. The four working groups are: Response, Research and Development, Public Communication, and Public Health/Medical.

Frieda Fisher-Tyler and Kim Steves participate as members of the Public Communication working group, and Frieda Fisher-Tyler and Adela Salame-Alfie participate as members of the Public Health/Medical working group.

Also in attendance at the IND Forum was CRCPD Director Member Joe Klinger of Illinois, who participates as a member of the Response working group.

The CRCPD membership will be provided future updates on this initiative, as it unfolds.



Hands-On Radon Training in Orlando

By William Bell (MA), Chair of E-25 Committee on Radon

An interactive hands on training opportunity will be offered in conjunction with the National Radon Training Conference in October. The training is offered thru the CRCPD E-25 Committee as part of the "Building Technical Capacity" Initiative. This year's offering will be a one-day, hands on, introductory course on the characterization of airflow dynamics in buildings. This course is targeted to state radon responders and investigators. It will provide training and knowledge related to building air flows and how they influence indoor radon problems. "We're pleased

CRCPD Working Group Activities

[Continued]



Hands-On Radon Training *(Continued)*

that Clark Eldridge of the Florida Department of Health's Radon Program will be leading this year's training," said William Bell (MA), E-25 Chair. "Clark and his crew in Florida have applied these investigation techniques for particular unique situations in Florida, but we're confident that the concepts and skills covered will be applicable to different situations in any state," Bell said.

Practical exercises will include the use of a blower door, digital micro-manometer, chemical smoke and a balometer. The identification of building structural and operational elements that influence airflows will also be covered. The course is scheduled as pre-conference training just before the National Radon Training Conference on Sunday, October 16, 2011, in Orlando, Florida, at the Florida Department of Health Bureau of Radiation Control Environmental Radiation Laboratory. Attendance is limited to 30 persons; therefore pre-registration is required. Transportation will be provided as well as a working lunch. A \$10 registration fee is required. For maximum benefit it is recommended that attendees have completed training or have experience and knowledge equivalent to that gained from a 2 or 3 day, EPA/RRTC/NEHA-NRRP/NRSB introductory radon training course for either measurement or mitigation.



CRCPD Radon Mini-Grants Project

By William Bell (MA), Chair of E-25 Committee on Radon

CRCPD is reviving the mini-grants project, offering funds to up to five local partners designated by their state radon programs to receive from \$500 to \$5,000 dollars each to conduct a radon project. The application process includes a brief proposal and short application form, which are due on October 7, 2011. The announcement and application package with all the details was emailed to State Radon Program Contacts August 16th. A completed report on the project outcome and expenditures is a requirement at the project's completion. Checks are awarded directly to the partner applicants.

The mini-grants project is CRCPD's response to concerns voiced over the years by many state radon programs that have identified lack of staff, time and resources as key difficulties in running their state's radon program and the difficulty of partnering with a local organization on a small innovative project because of the excessive paperwork required by their state accounting office.



New Members/ Classification/ Changes/ Retirements

Affiliate Members

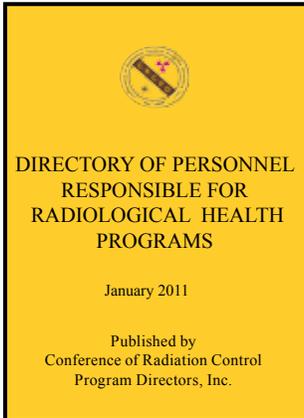
Behrman, Richard H. (MA)
Mun, In K. (FL)
Panichi-Egberts, Michele (NJ)
Wheelton, Ron (United Kingdom)

Recent Retirement

Charles L. Miller, Ph.D. (NRC)



Directory Changes



- Page 1 – **2011 Board of Directors:**
Alice Rogers – remove Interim;
remove John P. Winston as Acting Chair-Elect;
insert Earl Fordham, CHP as Chair-Elect;
remove Earl Fordham as Member-at-Large;
insert David J. Allard, Member-at-Large Pennsylvania, email <djallard@pa.gov>
- Page 48 – **Missouri:** Insert new website for Radon: <<http://www.health.mo.gov/index.php>>; email address for: John Langston <john.langston@health.mo.gov>; Keith Henke <keith.henke@health.mo.gov>; Randy Maley <randy.maley@health.mo.gov>
- Page 72-79 – **Pennsylvania:** remove “state.pa.us” and insert “pa.gov” for all email addresses for Pennsylvania, i.e., <djallard@pa.gov>
- Page 169 – **Appalachian States Low-Level Radioactive Waste Commission:** David J. Allard: insert new e-mail <djallard@pa.gov>



CRCPD Board of Directors

Board position	Name	State	Work Phone	E-mail address
Chairperson.....	Alice Rogers, PE.....	Texas	512/834-6629	<alice.rogers@dshs.state.tx.us>
Chair-Elect	Earl Fordham, CHP	Washington	509/946-0234	<earl.fordham@doh.wa.gov>
Past Chairperson	Adela Salame-Alfie, Ph.D.	New York.....	518/402-7501	<asa01@health.state.ny.us>
Treasurer.....	Terry Frazee.....	Washington.....	360/236-3210	<terry.frazee@doh.wa.gov>
Member-at-Large	David Allard, CHP	Pennsylvania	717/787-2480	<djallard@pa.gov>
Member-at-Large	Frieda Fisher-Tyler, CIH.....	Delaware.....	302/744-4546	<frieda.fisher-tyler@state.de.us>
Member-at-Large	Mary Ann Spohrer.....	Illinois.....	217/785-9916	<maryann.spohrer@illinois.gov>

Reminder:



The 21st National Radon Training Conference is October 16-19, 2011, at the Hilton Orlando Lake Buena Vista in Lake Buena Vista, Florida; it is located in the Walt Disney Resort. The agenda and general information, as well as registration information, are available at <<http://www.crcpd.org/Radon/NationalConference/2011AnnualMeeting/21st%20Annual%20Radon%20Training.aspx>>. The cut-off date for making hotel reservations is September 14, 2011.

The Newsbrief is published in February, April, June, August, October, and December by the Office of Executive Director, Conference of Radiation Control Program Directors, Inc., 1030 Burlington Lane, Suite 4B, Frankfort, KY 40601. Telephone: 502/227-4543; fax: 502/227-7862; Web site: <www.crcpd.org>.

The Newsbrief is written to address the needs of all radiation control program personnel. Readers are encouraged to contribute newsworthy or informative items for the Newsbrief, with neither charges nor stipends for the items that are selected. News of state radiation control programs is especially sought.

Articles should be sent to CRCPD, Attn: Lin Carigan, 1030 Burlington Lane, Suite 4B, Frankfort, KY 40601 (fax: 502/227-7862; email: <lcarigan@crcpd.org>). The deadline for contributions is the 15th of the month before an issue is to be published.

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This publication is supported in part by a Cooperative Agreement (No. FD-000005) administered by the Food and Drug Administration.