Message from Chairperson Earl Fordham, CHP

In late September, Joe Klinger, Ruth McBurney, Alice Rogers, and I went to Washington, D.C., to visit with some of our federal partners. This was a great opportunity to discuss the good work of CRCPD as well as some on-going concerns of states. Below is a synopsis of our discussions:

Food and Drug Administration (FDA)

FDA is nearing the end of a large re-organization combining four shops into the Division of Radiological Health. They hoped to get sign off in late September and be effective October 1st. Our discussions with FDA staff included medical events tracking, Varian stereotactic radiosurgery (SRS) brain therapy units, CT updates, Nationwide Evaluation of X-ray Trends (NEXT), dose tracking, the Suggested State Regulations, FDA sponsored training and the Mammography Quality Standards Act (MQSA) program. We reported on H-38's work on CRCPD's medical events tracking efforts, including recent inquiries about uploading our data into the International Atomic Energy Agency SAFRON system. Alice spoke about Varian SRS units found in Texas without interlocks that allow larger areas of exposure than permitted. Of interest to states was the availability of FDA sponsored training. FDA field offices have formal training available to states. We expect to hear more about these guaranteed state spots in the near future from our FDA liaison.

Regarding the MQSA program, updating the Field Inspection Support System (FISS) is still ongoing. Improvements include a desktop version so that a report can be completed and saved when there's no internet connection and then uploaded later. FDA expects to phase out requirements to do sensi's and densi's.
Chairperson's Message (Continued)

this year. New MSQA procedures are expected in 2013. Dark room and Sensitometric Technique for the Evaluation of Processing (STEP) test questions are being eliminated. FDA reported 88% of the mammography units are now digital (up from 81% last year). Twenty-four states have >90% digital mammography units. Non-compliance nationally is <1%.

Nuclear Regulatory Commission (NRC)
We met individually with Chairman MacFarlane, and Commissioners Magwood and Ostendorff. We also saw Executive Director Bill Borchardt & his deputy Mike Weber, Materials Safety and State Agreements (MSSA); Director Brian McDermott, Division of Preparedness and Response; and Director Mark Satorius and his staff, Federal and State Materials and Environment Management Programs (FSME).

For the new chairman we spent time introducing her to CRCPD, our mission, goals, and interactions with NRC. We discussed training for agreement and non-agreement state staffs, continued CRCPD involvement with the NRC working groups post Federal Advisory Committee Act (FACA) policy changes, status of the federal government's response framework to incidents outside the U.S. (e.g., Fukushima), nuclear power plant emergency response changes, adequacy and compatibility, and radioactive waste issues. Disappointedly we heard, not only from the NRC, but all the federal regulatory agencies, the lessons from Fukushima have not resulted in any new national framework changes (still no designated Lead Federal Agency).

Each commissioner and senior manager was very supportive of training for state radiation control programs. I presented the results of my training survey with input from 25 states. The NRC commissioners and senior managers understood the continued need for training, both for agreement state and non-agreement state personnel. The NRC suggested more neighboring states group together and request training locally. In this manner the number of host state participants can be increased and costs reduced. We also re-enforced the states' continued dislike over Compatibility B. The NRC told us their focus for the next couple years will be on the Waste Confidence Rule. The recent court decision found three defects with the National Environmental Policy Act (NEPA)}

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provisions of the Rule. The main impact is on new reactors and re-licensing of existing reactors. All of the NRC commissioners and staff thanked us for our continued involvement and comments on recent rules and policies changes.

Environmental Protection Agency (EPA)

We received an extensive briefing from EPA staff in the Office of Radiation & Indoor Air. Among the topics discussed were state indoor radon grants (SIRG) (see Ruth’s article below); the federal Radon Action Plan, the outreach being conducted by the Centers for Disease Control and Prevention (CDC) National Cancer Control Division encouraging state radon people to connect with state cancer staff to determine if there have been any reductions in radon lung cancers; CRCPD’s Radon blind testing study (due to be completed by December 31, 2012); continued work to re-organize EPA’s lab functions between Montgomery, Alabama, and Las Vegas, Nevada, to increase efficiency, and regulatory updates including:

- 40 CFR 61 (radon emission from uranium mill tailings is at the Office of Management and Budget (OMB));
- 40 CFR 190 (advance notice of proposed rulemaking stage);
- 40 CFR 192 (adding in situ leaching to current regs);
- Waste Isolation Pilot Project (WIPP) (looking at adding >Class C waste as remote handled waste for disposal);
- CRCPD E-42 Task Force on Oil & Gas TENORM (technologically enhanced naturally occurring radioactive material) (EPA has lots of input material); and
- Status of CRCPD’s SR-U suggested regs.

Other updates included:

- RadNet – 10 new monitors have been placed and the website has been improved for better communications and search features (a result of Fukushima lessons learned),
- Chartering a Data Sharing Task Force with states to develop policies and standard forms,
- Addendum to the Blue Book Addendum – relative biological effectiveness work for H-3 and x-rays,
Chairperson’s Message (Continued)

- Medical X-ray Guidance – currently reaching out to over 30 organizations for input,
- Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) Appendix update with state input via E-35, and
- Protective Action Guides (PAG) Manual – currently at OMB. Many entities are anxiously awaiting its release.

We spoke with EPA about contaminated consumer products (e.g., tissue boxes and pet food bowls) entering the United States. We believed EPA would have a role in coordinating a national response in the future. EPA managers believed the Consumer Products Safety Commission would have this role.

Federal Emergency Management Agency (FEMA)

We spoke to FEMA about updating NUREG-0654, exercise interval for ingestion pathway/recovery exercises (new cycle is too long), the state evaluator project (indefinite hold), changes due to Fukushima lessons learned (additional A-Team training) and the need to address recovery after a nuclear power plant (NPP) accident/incident. Most of our visit was focused on:

- changes in the PAGs,
- NPP recovery phase and
- Emergency planning zones (EPZs) around small modular reactors (SMRs).

The PAG changes were centered around new re-entry standards, what a clean-up action plan would be, and disposal. The recovery phase work is just beginning. Affected parties are asking “What are we going to do?” vs. “How to pay for it?” We were told Region I had a tabletop on Recovery. The primary issues were (1) getting the potentially impacted groups to the table to discuss recovery actions, and (2) how liability insurance will play a key role in the recovery phase of an accident. We were asked if CRCPD had a policy on scalable EPZs around the new proposed small modular reactors. There is concern EPZs could be eliminated/greatly reduced for SMRs.

FEMA has started collecting comments and stakeholder input to revise NUREG-0654. This revision is (at least) a five year project. At this stage FEMA is looking for process and scoping comments. They will be applying the lessons learned from their earlier revision projects.
Chairperson's Message (Continued)

Department of Energy (DOE), Global Threat Reduction Initiative
CRCPD has worked closely with DOE to gather and dispose of disused sources of radiation. We discussed the recent Utah Class A sealed sources variance to the Energy Solutions license for acceptance of sources. The Global Threat Reduction Initiative (GTRI) staff emphasized the need to get state regulators to re-enforce their licensees to register their applicable sources. Only in this way can CRCPD coordinate the round-up of sources and delivery to the Clive, Utah, site. CRCPD offers a cost-sharing arrangement to the source holder to help defray disposal costs.

Other topics included the recent Government Accountability Office (GAO) report to Congress on the vulnerability of large (primarily Cs-137) sources in hospitals. GTRI has been out in the states looking for volunteers. States can help by reaching out to the Category I/II licensees to request a GTRI assessment. GTRI has a backlog of upgrades to do and a limited budget. They pay for the security equipment installation and three years of maintenance. GTRI also presents 6-8 tabletops per year for up to 200 people at no cost. These tabletops provide opportunities to interact for licensee staff, local fire and police, and hazmat personnel. Usually there are 20-40 active participants.

Professional Organizations
We also met with representatives of the American College of Radiology (ACR), American Society for Radiation Oncology (ASTRO), and Institute of Scrap Recycling Industries (ISRI). We discussed new databases with ACR and ASTRO. We talked to ISRI about the new USDOT Special Permits, calling a task force together to develop a Setpoint White Paper for the scrap industry to use, and the IAEA’s Scrap Code of Conduct.

I would be remiss if I didn’t point out that National Radiation Protection Professionals Week is coming up November 12-18, 2012. The week long event to honor radiation protection professionals is set in November to celebrate the discovery of x-rays by Wilhelm Conrad Roentgen on November 8, 1895. As radiation protection professionals, we provide leadership in protecting the public from the hazards of radiation. Please take some time to celebrate National Radiation Protection Professionals Week with your staffs.

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Greetings from Your Executive Director

I recently discovered this quote from a man named Hugh Allen: "Jumping at several small opportunities may get us there more quickly than waiting for one big one to come along." What's the "there" that you are leaping toward—better radiation control programs with stretched or shrinking budgets, better safety and security of radioactive sources, better emergency preparedness capabilities, an opportunity to give back to assist other state folks with training? Right now, CRCPD has several opportunities to jump at—some I have mentioned in the past, but with deadlines involved, it's good to have a reminder. Others involve new information. Now is the time to jump at some of these.

State Indoor Radon Grants
A few months ago, we learned that the State Indoor Radon Grant (SIRG) program was in jeopardy of not being funded for 2013. Recently, EPA has informed CRCPD and the EPA regions that the Continuing Resolution for the first six months of FY13 contains approximately one-half of the FY12 enacted budget. This is good news for state radon programs in that the majority of this funding will be available for grants and must be obligated by January 2013. More information is available through the EPA regional offices.

Radiation Response Volunteer Corps
The HS/ER-10 Committee is planning the selection of the next sub-awardees under CRCPD's Radiation Response Volunteer Corps cooperative agreement with the Centers for Disease Control and Prevention (CDC), so now is the time to apply for one of these assistance awards. Check out the complete article about the program and how to apply in this month's Newsbrief or by going directly to the website at http://www.crcpd.org/RRVC/rrvc_rfp.aspx.

SCATR Program: Round-up of Class A Sources
The Source Collection and Threat Reduction (SCATR) program is asking state programs to reach out to interested stakeholders to provide information detailing the one-year license variance allowing for the disposal of certain Class A sealed sources at the EnergySolutions' low-level radioactive waste disposal facility in Clive, Utah. CRCPD is offering financial assistance equal to half the cost of disposal to generators who participate in the effort. A sample memo to licensees has been sent by broadcast e-mail to applicable state programs asking for assistance in getting the word out.
Chairperson's Message (Continued)

Since this program will only last for one year, licensees must register any sources they wish to have considered for this program with the Off-Site Source Recovery Project (OSRP) soon, before it can be accepted for disposal. A successful project can only come about if licensees are aware of the program and how they can participate.

Scholarship Fund

As you are considering individual end-of-year giving to charities, think of the good that could come from providing funds for scholarships for CRCPD Associate Members to attend professional training and participation in the National Conference on Radiation Control for continuing education. Since CRCPD is a non-profit organization with a 501(c)3 status recognized by the Internal Revenue Service, all contributions to the Scholarship Fund are tax deductible and remain in our accounts to accrue interest used to sustain our scholarship programs.

A scholarship may be established and designated in memory or in honor of an individual. Contributions may also be presented without such designation. More information on the Scholarship Fund and forms for giving can be found on the CRCPD website at http://www.crcpd.org/Scholarship.aspx.

I hope you continue to get "there" ( wherever that may be for your situation) as quickly as possible. Jumping at small opportunities may just be the answer.

CRCPD Seeks New Proposals for Sub-Awards for Radiation Response Volunteer Corps Development

CRCPD has entered the second year of a cooperative agreement with the Centers for Disease Control and Prevention (CDC) to recruit, train, and manage a cadre of volunteer radiation professionals and to promote a volunteer registry of those individuals for use in radiation emergencies within the states, primarily for population monitoring and shelter needs. In order to carry out the project, CRCPD anticipates the award of at least 10 sub-awards each year of the project, not to exceed $25,000 each, depending on the availability of funds and the quality and number of proposals received.
In FY 2012, CRCPD, through the HS/ER-10 Task Force for Volunteer Development and the Office of Executive Director, awarded 10 contracts with state radiation control and public health preparedness programs under the cooperative agreement. We are currently inviting proposals for FY 2013. Qualified applications may come from state radiation control programs, health department preparedness programs, and local non-government organizations partnering with radiation control and public health programs to incorporate volunteer radiation professionals into existing health volunteer response programs.

Funding assistance will be provided through sub-awards for radiological response volunteer corps initiatives and may be used for outreach to and solicitation and credentialing of radiation professionals in the state, development of communication systems, and provision of training.

Information on the program and a copy of the RFP and application template can be found on the CRCPD website at http://www.crcpd.org/RRVC/rrvc_rfp.aspx. A copy of the report of the pilot radiation volunteer report, complete with projects and lessons learned, is also available for download on the website at http://www.crcpd.org/Homeland_Security/RRVC_FinalReport.pdf. Additional information, including examples of successful proposals, may be obtained by contacting Ruth McBurney at rmburney@crcpd.org.

Although the sub-awards may be issued throughout the year, we anticipate issuing our next batch in the November to December timeframe. We encourage those programs that would like to participate to send in proposals or letters of intent (if you need more time to put together a proposal) by mid-November 2012.

With minimal training on roles, responsibilities, and procedures associated with addressing population monitoring and public shelter needs, the addition of these knowledgeable radiation specialists to volunteer registries will strengthen local and state capacity to respond at the local levels where state and federal resources may not be sufficient to meet the needs of large populations throughout many communities.
Image Gently™ Initiative Launches ‘Back to Basics’ to Promote Radiation Protection in Pediatric X-Ray Exams

Incorporation of these trained radiation volunteers into existing volunteer programs and emergency response plans will require outreach to raise awareness among radiation control programs, the radiation professional community, public health planners, and Medical Reserve Corps leaders and recruitment efforts at the state and local level and collaboration among the agencies and volunteer programs for planning, training and exercising.

From acr.org — The new Image Gently™ campaign “Back to Basics” initiative has developed online teaching materials, checklists and practice quality improvement projects to help providers strengthen radiation protection when performing x-ray examinations on children — particularly as technology shifts from standard screen-film x-ray to digital x-ray imaging.

The campaign emphasizes the need for a standardized approach by measuring patient body size and developing technique charts. This is particularly important as radiologic technologists use the different technologies in computed and direct radiography (x-rays). All physicians, medical physicists and radiologic technologists are urged to visit imagegently.org to review these important materials and factor the information into their clinical decision making.

“Digital radiology has brought many improvements to imaging. However, some of the technical factors and processes used for digital imaging differ from those used in screen-film radiology. If not accounted for, these differences could result in patients receiving a higher radiation dose than otherwise necessary. This initiative seeks to make radiology medical professionals aware of the differences and how to account for them. Modern radiation reduction techniques include a return to simple techniques, such →
as collimation, that allow children to consistently get low-dose exams,” said Susan D. John, MD, FACR, co-chair of the Back to Basics campaign committee.

“Children are more likely to receive x-rays than any other type of imaging exam. With the large number of manufacturers of digital radiography equipment, it is critical that radiologists, radiologic technologists and medical physicists understand how the exposure indices can help in quality assurance within their department. This can help ensure that we get the best possible images to help children while using a low dose,” said Steven Don, MD, co-chair of the Back to Basics campaign committee.

At least 10 million x-rays were performed on children in 2010. There is no doubt that standard X-Ray exams improve and save lives every day. However, children are more sensitive to radiation received from imaging scans than adults, and cumulative radiation exposure to their smaller, developing bodies could, over time, have adverse effects.

When X-Ray is the right thing to do, imaging providers are urged to:

1. Measure patient thickness for “child-size” technique
2. Avoid using grids for body parts less than 10-12 cm. thick
3. X-ray only the indicated area with proper collimation and shielding
4. Check exposure indicators and image quality

“Physicians, medical physicists and radiologic technologists have to work together to ensure quality imaging and that each patient receives a reasonably low dose while getting the study needed. The technologist often has the final opportunity to ensure that appropriate steps are taken before an image is acquired. We urge technologists to work with the other team members and to take advantage of the materials provided in the Back to Basics Initiative,” said Greg Morrison, MA, RT (R), CNMT, CAE, chief operating officer of the American Society of Radiologic Technologists.

The Image Gently campaign is conducted by the Alliance for Radiation Safety in Pediatric Imaging, founded by the Society for
Pediatric Radiology (SPR), the American College of Radiology (ACR), the American Society of Radiologic Technologists (ASRT), and the American Association of Physicists in Medicine (AAPM), and now encompasses 71 medical organizations serving more than 500,000 health care providers world-wide.

"You're going to get the best result if you have a technologist, a radiologist and a medical physicist all working cooperatively together to create the best protocol. The technologist has the expertise of working with pediatric patients on a day-to-day basis, the radiologist has the medical expertise and the medical physicist has the technical expertise. All of these professionals need to work together to reduce dose and ensure quality patient care," Keith J. Strauss, MSc, FAAPM, FACP, medical physicist and Back to Basics campaign committee member.

To speak with a representative from the Back to Basics campaign, please contact ACR Director of Public Affairs, Shawn Farley at 703-648-8936 or PR@acr.org.

Directory Changes

Page 7  -  AK – Remove Douglas Dasher and insert Marty Brewer, Environmental Program Specialist IV, Alaska Department of Environmental Conservation, 555 Cordova Street, Anchorage, AK 99501, telephone: 907/269-1099, email: <marlena.brewer@alaska.gov>, fax: 907/269-7600;

Remove Richard Seifert and insert Art Nash, Alaska Cooperative Extension, University of Alaska Fairbanks, P.O. Box 756180, 308 Tanana Dr., Room 247, Fairbanks, AK 99775-6180, telephone: 907/474-6366, email: <alnashjr@alaska.edu>;

Page 15  -  CO - Remove James DeWolfe and insert vacant.

Page 29  -  IN - Department of Homeland Security, remove Mary Stiker it is entirety.

Page 64  -  OH – Remove Allison Sineck and insert vacant.
Report on GAO Meeting on Evacuation Planning Near Nuclear Power Plants
By Frieda Fisher-Tyler, Homeland Security and Emergency Response Council Chairperson

On July 27, 2012, Frieda Fisher-Tyler (HS/ER Council Chair) and Patrick Mulligan (HS/ER-5 committee chair) attended an invitational meeting with staff from the Government Accountability Office (GAO), Natural Resources and Environment Team. CRCPD was contacted by the GAO to provide input for a project that was initiated following the Fukushima nuclear emergency in Japan in 2011.

The GAO gathers information and develops reports at the request of Congress. For this project, the GAO contacted a wide range of stakeholders, including federal agencies, state and local governments, non-profit non-governmental organizations, etc. The GAO also made site visits to four nuclear power stations within the United States (Fort Lucie, Limerick, Indian Point, and San Onofre). The GAO report on this particular project is anticipated to be completed in early 2013, and will be shared with the CRCPD board of directors and other stakeholders upon release.

Prior to the meeting with the GAO, the members and advisors to the HS/ER-5 Committee on Emergency Response Planning were engaged in a conference call to gather input and provide insights from the state/local stakeholder perspective. The working group represents a wide geographic range of radiation control programs with extensive experience and knowledge of radiological emergency preparedness planning.

At CRCPD’s request, the GAO provided a list of questions to frame the discussion for the meeting. The questions and prepared talking points were shared with the CRCPD board of directors prior to the meeting. The July 27 meeting with five GAO Natural Resources and Environment team staffers was robust, extensive, and the discussion generally followed the GAO-provided set of questions. Reference materials were provided to the GAO to support the discussion and provided details on the CRCPD mission, emergency response roles and responsibilities of state and local radiation control programs with respect to nuclear power emergency planning, activities of various CRCPD Homeland Security/Emergency Response working groups, and insights that states could share regarding the current state of radiological
Report on GAO Meeting (Continued)

emergency preparedness and response capacity in the U.S. A Health Physics Society Journal paper related to Fukushima After-Action comments from the state/local/tribal perspective was also provided. CRCPD shared several observations with the GAO, including the following:

- Timely and open sharing of information between federal agencies and state radiological programs is critical for the development of consistent, effective and timely public messaging, and coordination of precautionary actions by state/local/tribal governments;

- Better coordination of public information and news releases between federal and state/local/tribal stakeholders is critically important, even and perhaps especially when the situation is assessed as being “below public health concern;”

- Early involvement of state/local/tribal stakeholders in federal agency development of emergency preparedness guidance and regulatory documents in a way that allows for meaningful dialog and input prior to release of proposed rules for public comment is essential;

- More frequent multi-agency participation of federal agencies in drills and exercises could promote greater preparedness capabilities with respect to communication and interoperability of assessment and analysis procedures and tools;

- Increasing consistency in evaluation, interpretation and application of radiological emergency policy, procedures and guidance across regional offices of federal agencies could promote greater preparedness and response capacity.

The Rad/Nuc Emergency Response and Recovery Toolbox

By William Irwin, Chairperson, HS/ER-4 Task Force for Evaluating Federal Guidelines, Resources and Tools for Response to RDDs and INDs

CRCPD has launched a new effort to help when confronted with an unexpected radiological or nuclear emergency. The Rad/Nuc Emergency Response and Recovery toolbox was introduced at the May 2012 annual meeting by a working group composed of state radiological emergency leaders, advised by the Department →
The Rad/Nuc Emergency Response and Recovery Toolbox (Continued) of Energy, the Environmental Protection Agency and the Federal Bureau of Investigation. The toolbox is a web portal that can be accessed at any moment and provide quick access to specific helpful tools. The toolbox contains dozens of links to documents and organizations that can be of immediate and substantial value to CRCPD members and others. The tools are segregated into five compartments: Immediate Radiological/Nuclear Technical Assistance; Radiation Injury or Medical Concerns; Radiological Laboratory Services; Software for Plume Modeling, Dose Assessment, Contamination Deposition and Assessment; and Training Resources.

Within each compartment are specific telephone numbers to call, internet websites to click on, documents to read or forms to use. For example, in the Immediate Radiological/Nuclear Technical Assistance tool compartment, you will find the telephone numbers for the DOE 24/7 Watch Office, each of the eight DOE Radiological Assistance Program (RAP) Teams, the Advisory Team for Environment, Food and Health, and numerous other resources.

In the Radiation Injury or Medical Concerns compartment, you can find the direct telephone number for the Radiation Emergency Assistance Center/Training Site (REAC/TS), as well as thousands of web pages from the Armed Forces Radiobiology Research Institute, the U.S. Department of Health and Human Services (DHHS) Radiation Event Medical Management and the Centers for Disease Control and Prevention.

If you are looking for a radiochemistry laboratory, the compartment for Radiological Laboratory Services can connect you with one telephone call to the EPA National Air and Radiation Environmental Laboratory or to a list of other EPA or private laboratories.

The Software for Plume Modeling, Dose Assessment, Contamination Deposition and Assessment can connect you with downloads of RASCAL, HotSpot, the RESRAD Family of Codes and many other tools. It also includes a review of each model by the working group, identifying when the software is most useful.

Finally, the Training Resources compartment can connect you through the web to training programs the working group has found to be of genuinely good value.
The Rad/Nuc Emergency Response and Recovery Toolbox (Continued)

The Rad/Nuc Emergency Response and Recovery Toolbox is restricted to CRCPD director members at http://frmac.crcpd.org/StateReports/ToolboxGrid3.aspx. The working group plans to maintain and improve the toolbox. Let Bill Irwin, chair of HS/ER-4, know of ideas to help (William.irwin@state.vt.us).

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HS/ER-5 Report on the NRC/FEMA Meeting on the Revision of NUREG-0654
By Patrick Mulligan (NJ), HS/ER-5 Chair

On September 13, 2012, Patrick Mulligan, chair of the Homeland Security/Emergency Response Committee on Emergency Response Planning, attended a public meeting in Rockville, Maryland, hosted by both the Nuclear Regulatory Commission (NRC) and the Federal Emergency Management Agency (FEMA). NRC and FEMA are embarking on a critical multi-year project to review and revise the planning basis for the development of radiological emergency response plans for commercial nuclear reactors in the United States.

The document under review is NUREG-0654/FEMA-REP-1, “Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.” Published in November 1980, this document has served as the basis for radiological planning throughout the U.S. for the past 32 years.

The purpose of the public meeting was to gather feedback and comments from interested stakeholders for the development of a comprehensive and systematic approach to the revision process. Mr. Mulligan was invited by FEMA to represent CRCPD and provide a state perspective on the initiative. Prior to the meeting, Mr. Mulligan engaged committee members and advisors via teleconference to solicit input for the meeting so that a broad state perspective could be presented to both FEMA and NRC.

The meeting consisted of five panel members, one each from NRC and FEMA; a representative from a non-governmental organization; the Nuclear Energy Institute, representing the industry perspective; and Mr. Mulligan. NRC and FEMA were →
Report on the NRC/FEMA Meeting (Continued)
given an opportunity to present to the audience first in order to provide some background information on NUREG-0654 and their initial thoughts on the process. FEMA intends to apply the lessons learned from the recent review and revision the REP Program Manual to enhance the development and implementation of this initiative. That will include early stakeholder involvement, multiple comment periods if necessary, extended comment periods, version control, and a clear, consistent and transparent adjudication process. Mr. Mulligan’s presentation focused on the process moving forward from a state perspective.

The early time line for the project spans the next five years. The initial period, which has already begun, includes the solicitation of feedback and input on scope and process from interested stakeholders. At this time both FEMA and NRC are gathering comments and suggestions for the development of the process rather than specific input on the document content. Over the course of the next 12 to 18 months, FEMA and NRC will use the input and feedback received to develop a framework for the process that clearly defines the scope and intent of the review and revision. Comments, feedback and suggestion can be directly provided using Regulations.Gov and Docket Number FEMA-2012-0026.

Update on the Activities of the DHS Nuclear/ Radiological Communications Working Group

By Kim Steves (KS), Chairperson, HS/ER-8 Task Force

The members and advisors of the HS/ER-8 Task Force for Radiological Emergency Public Messaging have been representing CRCPD on the Department of Homeland Security (DHS) Nuclear/Radiological Communications Working Group. They have been very active in providing feedback and recommendations from the state radiation control program perspective on the products and activities under discussion by the working group.

This working group has monthly conference calls and webinars during which various issues surrounding the topic of communications during nuclear and radiological emergencies are discussed, and subject matter experts and those who have worked on various projects or studies give presentations on their accomplishments and lessons learned.
Nuclear/Radiological Communications Working Group (Continued)

During the last six months, the working group has discussed and learned about ongoing projects and activities including the following:

- A Shelter-In-Place training project in the Golden Triangle District of Washington, D.C., by the All Hazards Consortium;
- California Department of Public Health development of a public health IND response plan and the concept of sheltering a large population, and a review of the Los Angeles County Multi-Agency Radiological Response Plan;
- The revision to the FEMA document "Improvised Nuclear Device (IND) Response and Recovery – Communicating in the Immediate Aftermath;"
- The revision to the National Response Framework - Annex N (Radiological) to Emergency Support Function #15 External Affairs;
- A simulation project analyzing the response to an IND in the National Capitol by the Virginia Bioinformatics Institute and Virginia Tech;
- Risk Communication Research presented by the National Consortium for the Study of Terrorism and Response to Terrorism (START);
- A discussion of the communications experiences and lessons learned from the Amber Waves dirty bomb exercise events.

The concept of sheltering-in-place for large areas with a follow-up of informed evacuations has been discussed extensively by the group. A pilot program of Shelter-in-Place training using a dirty bomb scenario was provided at workplaces in the Washington D.C., area that included facilitator training, guided employee discussions, and facilitated company and building sessions.

The outcomes helped to prepare employees and companies and develop new plans and policies for sheltering. It was agreed that during times of crisis or emergency, in large commercial buildings it is crucial that tenants and building management have a clear, coordinated, and rehearsed plan for communication and response in order to prevent confusion and disorder.→
Nuclear/Radiological Communications Working Group (Continued)

Similar pilot training was also provided in several elementary schools, and communication challenges that were identified included communicating with parents and controlling parents outside the building, concern about parents breaking windows to get inside, notification and information collection, identifying who is in charge, controlling access to the school building, parents wanting to get in and staff members wanting to leave. More information on this project can be viewed at www.preparedness360.org.

The Network Dynamics and Simulation Science Laboratory at Virginia Tech (http://ndssl.vbi.vt.edu/index.php) constructed a simulation platform that allows multiple layers of infrastructure and human behaviors to interact in a single simulation platform. They developed a study using a scenario involving the detonation of an improvised nuclear device in downtown Washington, D.C., to focus on the impact of a policy that allowed for a moderate restoration of communications following the blast. This study indicated that policies that enable citizens to communicate and organize will have profound benefits in terms of survival and injury prevention. Receiving the emergency broadcast messages would increase sheltering-in-place, and more information about family members decreases panic and coordinates evacuations.

Risk Communication Research presented by START provided five factors to the working group that play into the public's willingness to pay attention to risk communication messages:

1. Trust - trust in government is approximately 12%, and can be increased through dialogue.

2. Proximity – the public wants information on risks that are happening now, and stories and anecdotes work better for providing information for potential/future disasters.

3. Severity – members of the public have a “tipping point” where they won’t listen to messages, and the most effective messages are ones that they have heard before, that are actionable, and are distributed through multiple channels.

4. Risk Tolerability – a cost/benefit analysis from the audience's perspective will help with the understanding of how audiences view risk from a specific threat.
5. Prior Relationships — prior knowledge of the risk is important and prior interaction is also important.

The START Consortium’s literature review on best practices in risk communication can be reviewed at: http://www.start.umd.edu/start/announcements/announcement.asp?id=392.

The discussion of the Amber Waves exercise events and lessons learned in the area of communications included acknowledgement of the huge potential for mixed messages from multiple “official” sources. The Amber Waves scenario included two near-simultaneous dirty bombs being detonated—one in Leavenworth, Kansas, and one in Kansas City, Missouri.

The discussions for how the response organization would be set up included multiple Joint Information Centers (JICs) located in affected counties, cities, the states of Kansas, Missouri, and Iowa, a National JIC, and a local federal JIC. The potential for information to be released late due to coordination issues and how to coordinate information and ensure consistent messages was discussed extensively. The lack of available public information officers with experience in radiological issues was also identified. Messaging to the “worried well” was also identified as an issue, and a separate conference call discussing that topic was held by the working group. The Department of Energy is currently working on an After Action Report from Amber Waves that will be published in the future.

It is critical that clear and consistent messages are provided to the public during a radiological emergency. The work being accomplished by the Nuclear/Radiological Communications working group is helping to guide the efforts of those working toward that goal.
COUNCIL REPORTS
February 1 – July 31, 2012

Environmental Nuclear Council
Joe Klinger (IL), Chairperson

ENC-EI - Environmental Nuclear Council - Emerging Issues
Michael Brennan (WA), Chairperson
  • No activities were reported during this period.

E-5 Committee on Radioactive Waste Management
Jennifer Opila (CO), Chairperson
  • E-5 committee met in conjunction with the 44th National Conference on Radiation Control in Orlando, Florida.
  • E-5 discussed Part 61 rulemaking and revisions to Branch Technical Position on Concentration Averaging with NRC.
  • E-5 prepared comments to NRC on the technical basis for Part 61 rulemaking.

E-23 Committee on Resource Recovery and Radioactivity
– Designated inactive.

E-24 Committee on Decontamination and Decommissioning
– Designated inactive.

E-25 Committee on Radon
William Bell (MA), Chairperson
  • Prepared federal radon budget elimination impact for the CRCPD board of directors.
  • E-25 committee presented two posters at the 44th National Conference on Radiation in Orlando, Florida, May 7-10, 2012.
  • E-25 committee presented a “Special Interest Meeting” on State Indoor Radon Grant elimination at the 44th National Conference on Radiation Control in Orlando, Florida.
  • The blind testing project continues. →
E-25 Committee on Radon (Continued)
  • E-25 committee met July 2012 to finalize the agenda for the 22nd National Radon Training Conference that will be held in Las Vegas, Nevada, October 14-17, 2012.

E-34 Committee on Unwanted Radioactive Materials
James Yusko, CHP (PA), Chairperson
  • E-34 chairperson provided a presentation at the 44th National Conference on Radiation Control in Orlando, Florida.
  • E-34 chairperson participated in the low-level radioactive waste forum May 10-11, 2012, following the 44th National Conference on Radiation Control in Orlando, Florida.

E-35 Coordinator - Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM), Multi-Agency Survey and Assessment of Materials and Equipment (MARSAME) and Multi-Agency Radiation Laboratory Analytical Protocols (MARLAP)
Jenny Goodman (NJ), Coordinator
  • Assisted the MARSSIM working group with update of Appendix C.

E-37 Committee on Naval Nuclear Propulsion
Robert Greger, CHP (CA), Chairperson
  • No activities were reported during this period.

E-40 Liaison - Institute of Scrap Recycling Industries, Inc. (ISRI)
James Yusko, CHP (TX), Liaison
  • E-40 liaison submitted comments on the International Atomic Energy Agency (IAEA) draft scrap protocol to the designated IAEA contact individual. The protocol should address “finished goods” in the wake of the Bed Bath and Beyond tissue box and PETCO food bowl issues.

E-41 Task Force on Radioactivity in Building Materials
Robert Lewis (PA), Chairperson
  • No activities to report during this period.
  →
E-42 Task Force to Review TENORM Aspects of the Oil and Gas Industry
Jared Thompson (AR), Chairperson

- The task force was created in May 2012.

General Council
Terry Frazee (WA), Chairperson

G-2 Committee on Ionizing Measurements
Robert Lommler (IL), Chairperson

- The committee held a teleconference on March 30, 2012, to discuss changes to ISO-17025 that impact CRCPD labs, including uncertainty calculations on all accredited instrument calibration reports.

- The committee offered to assist the South Carolina Department of Environmental Control laboratory to do an uncertainty analysis. The Illinois Emergency Management Agency (IEMA) lab will provide assistance.

- The G-2 committee discussed whether to downgrade the CRCPD lab accreditation program to "traceability'' program from accreditation in accordance with ISO-17025. The committee decided to remain with accreditation at this time.

- The committee attempted to conduct a lab intercomparison using a gamma chamber from IECA. Problems with the cable connection at the National Institute of Standards and Technology (NIST) prevented the intercomparison.

- IECA has scheduled lab modifications in October requiring a NIST gamma measurement quality assurance (MQA) test to reestablish traceability. The Illinois, Michigan, and South Carolina labs agreed to schedule a gamma MQA test after the Illinois lab modifications are complete.

G-34 Committee on Industrial Radiography
Bridget Stephens (TX), Chairperson

- No activities were reported during this period.
CRCPD Working Group Activities, General Council Reports (Continued)

G-36 Liaison - Health Physics Society/American Academy of Health Physics (HPS/AAHP)
Earl Fordham (WA), Liaison
- G-36 liaison attended the HPS annual meeting in Sacramento, California, July, 2012, including the Intersociety Relations Committee meeting.
- Manned the CRCPD booth at the HPS meeting, along with the executive director and OED staff.
- G-36 liaison communicated via email with the HPS Intersociety Relations Committee chair.

G-50 Liaison - National Council on Radiation Protection (NCRP)
David Allard, CHP (PA), Liaison
No report received.

G-55 Training Committee
Cindy Becker (FL), Chairperson
- G-55 chair assisted with the review of the retirement/training needs survey that was distributed to the states.

G-58 Task Force for the Criteria for an Adequate Radiation Control Program
Roland Fletcher (MD), Chairperson
- No activities were reported during this period.

G-62 Committee/Liaison - American Society of Radiologic Technologists (ASRT)/American Registry of Radiologic Technologists (ARRT)
Al Orlandi (NJ), Chairperson/Liaison
- G-62 liaison continues to monitor the consistency, accuracy, responsibility and excellence in the Medical Imaging and Radiation Therapy Act (CARE) Bills and ASRT, ARRT, and Alliance for Quality Medical Imaging and Radiation Therapy (Alliance) activities.
- G-62 liaison participated in the Alliance meeting conference call on May 10, 2012, and will participate in the July 23, 2012, conference call. G-62 liaison provided comments on the Alliance’s letter to the Senate regarding the introduction of the CARE Bill (S3338). A report was sent to the CRCPD board shortly after each meeting →
G-62 Committee/Liaison - ASRT/ARRT (Continued)

activity. G-62 observed the House Committee Energy and Commerce Committee Subcommittee on Health hearing on medical imaging and therapy on June 8, 2012. During this hearing four witnesses testified on the current shortfalls and inconsistencies in state qualifications for persons performing and planning diagnostic and therapeutic radiation procedures. For a copy of the current bill, please go to https://thomas.loc.gov/home/thomas.php and search for HR 2104 and S 3338. As of July 20, 2012, HR 2104 that was introduced on June 2, 2011 has 129 cosponsors and S3338 that was introduced on June 25, 2012, has two cosponsors.

- G-62 liaison provided assistance to Ohio, New York City, and California relating the licensure/qualifications of x-ray equipment operators, radiologist assistants and physicists.
- Continues to monitor the American College of Radiology (ACR), the Intersocietal Accreditation Commission, and the Joint Commission as they implement their Medicare Improvements for Patients and Providers Act (MIPPA) qualification for operators and physicists.
- Continues to monitor the status of HR 1172 and 1394 since both bills call for early detection of lung cancer via the use of x-ray procedures. Both bills may have an impact on the CARE Bill and the use of x-rays in the United States.

G-63 Liaison - American Association of Physicists in Medicine (AAPM) and American College of Medical Physics (ACMP)

John P. Winston (PA), Liaison

- AAPM continues to provide web access to their technical information to CRCPD director members.
- G-63 liaison assisted AAPM in providing training on the inspection of radiation therapy facilities at the CRCPD National Conference in Orlando, Florida.
- Met with Melissa Martin and Lynne Fairobert on the objectives and priorities of May attendance at the AAPM annual meeting in Charlotte, North Carolina. The CRCPD booth showcased the Physicist Registry, SCATR (Source Collection and Threat Reduction), and the Medical →
G-63 Liaison - AAPM/ACMP (Continued)

Events database.

- G-63 liaison attended multiple working group meetings at the AAPM annual meeting, including the Government and Regulatory Affairs Committee and AAPM practice guideline committees.
- G-63 provided information and assistance to AAPM annual meeting attendees at the CRCPD booth.

G-64 Liaison - Joint Commission (JC)

Ray Dielman (FL), Liaison

- G-64 liaison continues to monitor Joint Commission electronic and paper communications.
- G-64 liaison provided assistance to several state programs concerning Joint Commission surveyor field comments.
- G-64 liaison provided assistance to the Joint Commission concerning field surveyor questions/observations.
- G-64 liaison continues to monitor radiation safety related initiatives and legislation.
- G-64 liaison presented a generic comparison of the three Center for Medicare and Medicaid Services authorized accrediting organizations at the 44th National Conference on Radiation Control in Orlando, Florida, during a “Special Interest” meeting.

G-65 Liaison - American College of Radiology (ACR)

Jennifer Elee (LA), Liaison

- G-65 liaison continues reviewing the ACR Journal for articles and information that would be beneficial to CRCPD members. G-65 liaison passes relevant information to the appropriate healing arts committees.
- G-65 liaison continues to keep up with ACR’s position on proposed legislation.
- G-65 liaison met with ACR liaison in Orlando, Florida, at the 44th National Conference on Radiation Control.
- G-65 liaison communicates via email and phone with ACR liaison monthly. →
CRCPD Working Group Activities, General Council Reports (Continued)

G-66 Liaison - Society of Nuclear Medicine (SNM)
James Yusko (PA), Liaison
  - No activities reported during this period.

G-67 Liaison - American Society for Radiation Oncology (ASTRO)
Mary Ann Spohrer (IL) Liaison
  - G-67 liaison had several phone calls with ASTRO liaison discussing mutual interest issues.
  - G-67 assisted with planning of the Accreditation “Special Interest” meeting that included a speaker from ASTRO.

G-68 Liaison - American Board of Radiology (ABR)
Jennifer Elee (LA), Liaison
  - No activities reported during this period.

G-69 Liaison - Association of State Drinking Water Administrators and the American Water Works Association (ASDWA/AWWA)
  - designated inactive.

G-70 Liaison - Association of State and Territorial Solid Waste Management Officials (ASTSWMO) – Alice Rogers (TX), Liaison
  - No activities reported during this period.

Healing Arts Council
Lisa Bruedigan (IL), Chairperson

H-4 Committee on Nationwide Evaluation of X-ray Trends (NEXT)
Karen Farris (MA), Chairperson
  - H-4 met in conjunction with the 44th National Conference on Radiation Control, May 3-4, 2012, in Orlando, Florida.

H-7 Committee on Quality Assurance in Diagnostic X-Ray
William Balke (WI), Chairperson
  - No report received.
H-11 Committee on Mammography
Shanna Farish (AZ), Chairperson

- H-11 conducted a two day mammography training that was held in conjunction with the 44th National Conference on Radiation Control in Orlando, Florida, on Saturday, May 5 and Sunday, May 6, 2012. The continuing education course offered 16 continuing education credits.

H-25 Task Force for IMRT
James Pate (LA), Chairperson

- No report received.

H-32 Committee for Computed Tomography
Lisa Bruedigan (TX), Chairperson

- The CT white paper has been peer reviewed by the committee.
- Inspection checklist has been submitted to the OED for editing.
- H-32 is currently working on a statement for CT Lung Screening.

H-38 Committee on Radiation Medical Events
Jennifer Elee (LA), Chairperson

- H-38 chair has interacted with the Food and Drug Administration (FDA), the American Association of Physicists in Medicine (AAPM), the American College of Radiology (ACR), and American Society for Radiation Oncology (ASTRO) regarding issues related to the development of a national database for radiation medical events.
- Completed the pilot test of reporting forms and database entry for medical events reporting from state agencies.
- H-38 began accepting events from all states in December 2011 and requested that all events be entered into the database by February 28, 2012.
H-39 Task Force on CT Brain Perfusion Exposure Survey
Carole Chafin (LA Co./CA), Chairperson

- H-39 is developing a white paper that includes the final results of data from state programs regarding perfusion studies on CT units.

H-40 Task Force for Inspection Protocol for Radiation Machine Based Therapy Treatments
William Dundulis (RI), Chairperson

- H-40 is developing an inspector protocol for the upcoming therapy training that will be held in conjunction with the 44th National Conference on Radiation Control in Orlando, Florida.

H-41 Task Force for Improvements to the FDA Inspection Software
Mary Ann Spohrer (IL), Chairperson

- H-41 prepared and submitted comments to FDA on the draft inspector questions for FISS/MQSA (Field Inspection Support System/Mammography Quality Standards Act) software upgrade.

Homeland Security/Emergency Response Council
Frieda Fisher-Tyler (DE), Chairperson

HS/ER-2 Committee for Expanding Radiological Preparedness in Public Health
Patricia Gardner (NJ), Chairperson

- HS/ER-2 chairperson worked with the Editorial Board Subcommittee of the National Alliance for Radiation Readiness (NARR) to finalize the Population Monitoring Toolkit in order to post to the NARR website.
- HS/ER-2 chairperson participated in numerous NARR conference calls.
- HS/ER-2 chairperson reviewed the final draft of the NARR After Action Report for Fukushima. →
HS/ER-2 Committee for Expanding Radiological Preparedness in Public Health
(Continued)

- HS/ER-2 reviewed and commented on the working drafts of the National Framework and the initial draft of the recovery interagency operational plan.

HS/ER-4 Task Force for Evaluating Federal Guidelines, Resources, and Tools for Response to RDDs and INDs
(Radiological Dispersal Device and Improvised Nuclear Device)
William Irwin (VT), Chairperson

- HS/ER-4 members approved by the CRCPD board on March 28, 2012.
- HS/ER-4 met via conference call numerous times between January and May 2012 to develop a topical training course for the 44th National Conference on Radiation Control in Orlando, Florida, and to design a web portal for Rad/Nuc Emergency Response and Recovery Toolbox.
- HS/ER-4 met in conjunction with the 44th National Conference on Radiation Control in Orlando, Florida, to finalize the presentation and to further develop web portal.
- HS/ER-4 presented a four hour topical training session at the 44th National Conference on Radiation Control in Orlando, Florida, May 7, 2012.

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

- On February 8 and 9, 2012, Cynthia Costello attended the FRMAC Assessment working group at Department of Energy’s (DOE) Remote Sensing Laboratory in Las Vegas, Nevada.
- In January, 2012, the FRMAC Laboratory Analysis working group issued a revised lab manual for review by →
HS/ER-5 Committee for Emergency Response Planning (Continued)

committee members. Kurt Jackson (CA) took the lead for the HS/ER-5 to this working group. The HS/ER-5 committee reviewed the draft in February 2012, and provided written comments directly to the working group chair on February 24, 2012.

- HS/ER-5 chair and CRCPD’s executive director attended the annual Advisory Team meeting that was in Washington, D.C., March 22-23, 2012. A large portion of the meeting focused on after action reports from Fukushima and included lessons learned and potential solutions to identified issues.

- HS/ER-5 chair and HS/ER-5 member participated in a mini-exercise to test the beta version of the RaaS Rad Responder software. The exercise lasted approximately four hours and provided users an opportunity to upload radiation data to the federal database using "smart" phones and the Radon Responder application.

- HS/ER-5 continues their work with the Nuclear Energy Institute (NEI) on the development of implementation guidance for NUREG-0654, Supplement 3. Supplement 3 provides guidance to both licensed operators of nuclear power plants and onsite assessment personnel on the development of Protective Action Recommendations. NEI solicited the input of CRCPD to assist in the development of the document because Supplement 3, a joint NRC and FEMA document, requires the interaction and input of state agencies into the Protective Action Recommendation logic development process. Comments and input on the final draft were developed during February and March, 2012. The final comments were provided to NEI by the deadline of March 30, 2012.

- HS/ER-5 committee reviewed and provided comments on the DOE database. The database is used to solicit feedback and comments on questions from DOE regarding their services and potential initiatives. It assists the DOE in the development and prioritization of work projects to enhance emergency response. Comments were submitted by the April 14, 2012, deadline.
HS/ER-5 Committee for Emergency Response Planning (Continued)

- HS/ER-5 committee held its annual meeting at the National Radiological Emergency Preparedness Conference that was held in St. Paul, Minnesota, April 23-26, 2012. The HS/ER-5 committee met with each of the federal agencies at various times during the week to discuss initiatives and projects for HS/ER-5.

- Frieda Fisher-Tyler and Patrick Mulligan provided a presentation to the National Radiological Emergency Preparedness conference on the activities of the Homeland Security Council and a detailed overview of the activities of the HS/ER-5 committee.

- HS/ER-5 chairperson attended the 44th National Conference on Radiation Control and participated in a panel discussion on the state perspective to the Fukushima Daiichi accident on May 10, 2012.

- In June 2012, the HS/ER-5 committee reviewed the NRC legal opinion regarding participation of state agencies on federal working groups. NRC issued a letter through FSME 12-052 Agreement State. CRCPD submitted a letter to NRC on its position related to the opinion.

- On June 21, 2012, HS/ER-5 chairperson and HS/ER-5 member participated in a conference call for the Rad Responder working group. HS/ER-5 members continue to serve on the working group to provide insights and feedback to DOE and their contractor on the implementation of the Rad Responder tool and software.

- HS/ER-5 committee provided comments to NRC regarding the Petition for Rulemaking on the size of the Emergency Planning Zone (EPZ) for nuclear power plants. The petitioners for the rule change requested that the EPZ be expanded to 25 miles.

- HS/ER-5 members and advisors participated in the FRMAC/State semi-annual conference call to discuss Ingestion Pathway Exercise planning, FRMAC liaison training, agency updates, and working group updates.

- On July 27, 2012, Frieda Fisher-Tyler and Patrick Mulligan attended a meeting with the General Accountability Office (GAO) in Washington, D.C. The GAO is investigating both NRC and FEMA with regard to →
HS/ER-5 Committee for Emergency Response Planning (Continued)

their oversight and leadership in Radiological Emergency Preparedness and Response. CRCPD was invited to discuss the state perspective. Formal written responses to the GAO questions were submitted following the July 27, 2012, meeting.

HS/ER-7 Task Force on Inter-Organizational Activities
Alice Rogers (TX), Chairperson

- HS/ER-7 chairperson attended Homeland Security Nuclear Sector Coordinating Council and Nuclear Sector Critical Infrastructure Partnership Advisory Council (CIPAC) meetings in March and June 2012.
- HS/ER-7 chairperson participated in discussions regarding draft IAEA Code of Conduct on the Transboundary Movement of Radioactive Material Inadvertently Incorporated into Scrap Metal and Semi-Finished Products of the Metal Recycling Industries with NRC, Customs and Border Protection, Department of State, and the Department of Energy.

HS/ER-8 Task Force on Radiological Emergency Public Messaging
Kim Steves (KS), Chairperson

- This working group was revised during this reporting period and reformed with new charges in April 2012.
- HS/ER-8 members participated in conference calls for the FEMA Nuclear/Radiological Communications working group on April 26, June 18, and July 26, 2012. During the conference calls, input from the state radiation control program perspective was provided by HS/ER-8 members on issues and topics including: revisions to Annex N (radiological) of ESF-10 of the National Response Framework; immediate protective action recommendations following an improvised nuclear device (IND); IND Forum topics and resulting action items; and Amber Waves Exercise Public Information Challenges. →
HS/ER-9 Task Force for Supplement to RDD Handbook
Cynthia Costello (NY), Chairperson

- An open call for volunteers was issued; members and charges were approved.

HS/ER-10 Task Force for Volunteer Development
Isabelle Busenitz (KS), Chairperson

Twenty-two entities expressed interest in the Radiological Response Volunteer Corps (RRVC) grant by submitting either proposals or letters of intent by the January 31, 2012 deadline. Of those, 10 were identified as eligible for the grant. Six were identified as potentially eligible and six expressed interest in submitting a proposal for a future date in February 2012.

- On February 27, 2012, a webinar was held to discuss the grant proposals and path forward for utilization of the grant evaluation matrix.
- On March 15, 2012, recommendations and rankings for the RRVC grant proposals were completed and sent to the CRCPD executive director for use in preparation of the grant award letters.
- The grant sub-awards were distributed to the sub-awardees during the months of March and April 2012.
- HS/ER-10 chairperson attended the Integrated Training Summit in Nashville, Tennessee, and provided a briefing to the State Volunteer Coordinators regarding the status of the 2012 RRVC grant.

Suggested State Regulations Council
David Allard, CHP (PA), Chairperson

SR-A - General Provisions (Part A)
Robert Greger (CA), Chairperson

- No activities reported during this period.

SR-B - Registration of Radiation Machines, Facilities, and Services (Part B)
Mary Ann Spohrer (IL), Chairperson

- No activities reported during this period.
CRCPD Working Group Activities, Suggested State Regulations Council Reports
(Continued)

SR-C - Licensing of Radioactive Materials (Part C)
Mike Welling (VA), Chairperson
- No activities reported during this period.

SR-D - Standards for Protection Against Radiation (Part D)
Robert Greger (CA), Chairperson
- No activities reported during this period.

SR-E - Radiation Safety Requirements for Industrial Radiographic Operations (Part E)
Vacant, Chairperson
- SR-E is in need of a chairperson.

SR-F - Diagnostic X-rays and Imaging Systems in Healing Arts (Part F)
John P. Winston (PA), Chairperson
- SR-F chair contacted members and resource individuals to confirm their willingness and ability to remain on SR-F. Worked with FDA, ACR, and AAPM to update their resource individuals.
- Provided the latest version of SR-F with comments on where, as chair, I believe we need to update or expand SR-F to the committee for comment.
- Conferred with committee members on SR-F priorities and objectives. Set an August 15, 2012, deadline for comments and review of the current document with the intent of beginning a series of conference calls to update SR-F.

SR-G - Use of Radionuclides in the Healing Arts (Part G)
Gwyn Galloway (UT), Chairperson
- No report received.

SR-H - Radiation Safety Requirements for Non-Medical Radiation Generating Devices (Part H)
David Allard (PA), Chairperson
- SR-H provided a verbal report to the CRCPD Board in May, 2012. Final draft is complete, but needs one more review by the working group before submitting for peer review. →
SR-I - Radiation Safety Requirements for Particle Accelerators (Part I)
David Allard (PA), Chairperson
• SR-I chair provided a verbal report to the CRCPD in May, 2012. The SR-I working draft is complete. SR-I is looking for additional working group members.

SR-J - Notices, Instructions, and Reports to Workers: Inspections (Part J)
Robert Greger (CA), Chairperson
• No activities reported during this period.

SR-M - Licensing Requirements for Land Disposal of Radioactive Waste (Part M)
• SR-M was reactivated in December 2011.

SR-R - Radon (Part R)
Robert Stilwell (ME), Chairperson
• SR-R met May 5 – 6, 2012, in conjunction with the 44th National Conference on Radiation Control in Orlando, Florida, to work on charge #4.e. to develop a reciprocity appendix for Part R and charge #5 to review radon standards that are out for public comment.
• SR-R completed a draft of the reciprocity appendix for Part R and a rationale statement that will be forwarded to the board for peer review prior to submission for the peer review process.

SR-S - Bonding and Surety (Part S)
Anine Grumbles (WA), Chairperson
• SR-S is reviewing NRC’s proposed final rule for decommissioning planning.

SR-T - Transportation of Radioactive Materials (Part T)
Earl Fordham, CHP (WA), Chairperson
• Part T has been approved by the CRCPD board of directors and sent for federal concurrence.
SR-U - Licensing Requirements for Uranium and Thorium Processing and Related Radioactive Material (Part U)
Vacant, Chairperson
- Part U was approved by the board of directors for publication.

SR-V - Physical Protection of Byproduct Material (Part V)
Frank Costello (PA), Chairperson
- No activities to report during this period; on hold for Federal Register notice of final 10CFR37.

SR-W - Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies (Part W)
Mark Chrisman (LA), Chairperson
- No activities to report during this period.

SR-X - Medical Therapy (Part X)
Bill Dundulis (RI), Chairperson
- Part X assisted AAPM with the “Radiation Therapy Inspector Training” that was held in conjunction with the 44th National Conference on Radiation Control.

SR-Y - Disposal of Contaminated Waste Water Sludge in Landfills (Part Y)
Jay Hyland (ME), Chairperson
- David Allard provided a verbal report to the CRCPD Board in May, 2012. The SR-V chair and an SR-V advisor developed a draft SR-V.
- The council chairperson will request the title of the working group be changed to: “Radiation Monitoring of Solid and Liquid Waste Processing and Disposal Facilities.”

SR-Z - Medical Credentialing (Part Z)
Paul Brown (IL), Chairperson
- Part Z was approved by the board of directors for publication.

New Members

Affiliate Members:  Nancy P. Kirner (WA)
                    Mary T. Lally (MD)
**CRCPD Board of Directors**

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<tr>
<th>Board position</th>
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*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.*

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*Articles should be sent to CRCPO, 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.*