



Conference of Radiation Control Program Directors, Inc.

NEWSBRIEF

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A Partnership Dedicated to Radiation Protection

April 2014

Message from Chairperson Joe Klinger

What a brutal winter for many of us in the north! Long dreary days of blustery cold weather make us really appreciate the upcoming warm sunny weather. **No better place to enjoy the weather than at the 46th Annual National Conference on Radiation Control in beautiful warm Atlanta, Georgia on May 19-22.** I really look forward to seeing you at the meeting and look forward to meeting many of the **100 new members** who joined CRCPD over this past year. We are making important contributions to radiation protection as we continue to *“build bridges in radiation protection”* not only throughout our great country but throughout the world. You will hear about many of our activities and accomplishments at the annual meeting, and the program includes something for everyone

in radiation protection. Our featured speakers are impressive and this year we are pleased to have U.S. Nuclear Regulatory Commissioner William Ostendorff speaking at our Opening Session on May 19.



On April 10, Past Chair Earl Fordham, Chair-Elect Mike Snee and I were joined by Organization of Agreement States (OAS) Chair Mike Welling and OAS past Chair Alan

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Message from Chairperson *(continued)*

My Last Message as Chairperson

"I encourage all of you to get involved in this outstanding organization as you will gain far more than what you put into it.

....you are supported by an amazing CRCPD Board of Directors and CRCPD staff headed by Executive Director Ruth McBurney and Executive Office Manager Sue Smith."

Joe Klinger

Jacobson when we briefed all five NRC Commissioners on items of mutual interest. We then met with each of the commissioners and provided more details and explored more opportunities to enhance our partnership with NRC. The topics included regulatory requirements, training, coordinated responses to international and domestic events, and adequacy and compatibility. The discussions were very informative and productive. **It was an honor to represent CRCPD during the annual CRCPD/OAS brief and I hope you all have the opportunity to experience participating in such an event representing an organization that you feel strongly about.**

This will be my last Chairperson's Message as my tenure as CRCPD Chair is about to end and Mike Snee will be taking the helm at the end of the annual meeting. I have greatly enjoyed this year as Chair, and I encourage all of you to get involved in this outstanding organization as you will gain far more than what you put into it. The demands of Chairman or any Board member are not overwhelming as you are supported by an amazing CRCPD Board of Directors and CRCPD staff headed by Executive Director Ruth McBurney and Executive Office Manager Sue Smith. Again, thanks for everyone's continued efforts and I look forward to seeing you in Atlanta in May!

Sincerely, Joe Klinger



Greetings from Your Executive Director



Ruth E. McBurney, CHP

Best Networking Opportunity

46th
National Conference
on
Radiation Control

Find information:
www.crcpd.org

Cultivating Productive Relationships

Merriam Webster's dictionary defines networking as the exchange of information or services among individuals, groups, or institutions; specifically:

*the cultivation of productive relationships
for employment or business.*

Throughout the year, CRCPD provides virtual networking through exchange of information via e-mail, website and conference calls; committee work on radiation protection issues and regulatory needs; and interactions between CRCPD staff and members on services, such as disposition assistance for orphan and disused sources and development of radiation response volunteer corps programs. However, **the best opportunity for face-to-face networking during a short period of time is at the upcoming 46th National Conference on Radiation Control.**

In addition to the regular sessions, which will include oral presentations on up-to-date technical and regulatory topics, attendees will also be able to discuss more issues in depth during the **Special Interest Meetings**, scheduled on each of three days during the Conference. To date, we have five such Special Interest Meetings planned in a variety of topical areas.

Tuesday afternoon, May 20

- Nuclear Medicine Radiotherapy Program Implementation (I-131 MIBG and Ra-223), Society of Nuclear Medicine and Molecular Imaging
- Advanced Notice of Proposed Rulemaking for Revision of 10 CFR Part 20, NRC

Wednesday morning, May 21

- Interagency Environmental Data Sharing and Communication, E-43 Committee
- Standards for Equipment Used in the Healing Arts: Opportunities and Challenges, FDA/CDRH

Thursday morning, May 22

- Communicating in Nuclear and Radiological Disasters, CDC Radiation Studies Branch

Executive Director

Greetings *(continued)*

People & Relationships

“As an organization, we are **‘cultivating productive relationships’** and widening the net. Thanks to our great members who volunteer to make that happen.”

Ruth McBurney

These special interest meetings, the training that is being conducted in conjunction with the meeting, and interaction with poster presenters, **all provide excellent opportunities to network and will fuel even more networking during the breaks with colleagues and friends.**

We hope you will join us in Atlanta for the meeting.

Additional information on the Conference can be found on the CRCPD website at www.crcpd.org.

CRCPD committees and staff have also been involved in radiation protection-related networking opportunities with other organizations during the last couple of months. These include:

- The HS/ER-5 Committee on Emergency Planning’s meeting at the National Radiological Emergency Preparedness Conference. An article on this meeting is located in this edition of the *Newsbrief*.
- CRCPD representation on the National Alliance for Radiation Readiness (NARR) Passenger Screening working group. A proposed protocol for screening and providing follow-up for passengers potentially contaminated after a major radiological event should be completed in May 2014. A meeting of the full NARR is being planned for June 4-5, 2014, in Alexandria, VA.
- Update on the Source Collection and Threat Reduction (SCATR) program by Russ Meyer of the CRCPD staff at the recent Low-Level Waste Forum Meeting in Austin, Texas.
- Participation in the Public Health Preparedness Summit in Atlanta, Georgia to provide outreach on the radiation response volunteer development project. An article on this meeting is located in this edition of the *Newsbrief*.

Networking and the provision tools for assisting state radiation control programs are two of the main ways that CRCPD is meeting one part of its mission statement, which is to promote consistency in addressing and resolving radiation protection issues. As an organization, we are **“cultivating productive relationships”** and widening the net. Thanks to our great members who volunteer to make that happen.



CRCPD Welcomes New Board Members Who Will Take Office in May 2014

CRCPD welcomes William Irwin, Aaron Gantt and Cheryl Rogers to the Board of Directors and looks forward to having their leadership over the next three years. They will take office at the end of the second Business Meeting, May 22, 2014.

William Irwin Chair-Elect

William Irwin Takes Office as Chair-Elect

It was an honor to again accept the invitation of our Nominating Committee to run for Chair-Elect of CRCPD and to be elected by the membership. I accepted the invitation because CRCPD is one of the most important influences in my career and I want to give back the most that I can. **CRCPD is powerfully effective. However I can do so, I want to help keep it that way.**



CRCPD is starting and completing genuinely brilliant work:

the image gently campaign;

National Evaluation of X-ray Trends (NEXT);

the qualified medical physicist program;

the medical events registry;

the SCATR program;

our support of efforts to prevent exposure and illness from radon;

the suggested state regulations;

our efforts to be prepared for radiological and nuclear emergencies;

the numerous publications for our peers; and

our service to our partners and the people in our states.

CRPCD Welcomes New Board Members

(continued)

William Irwin
Chair-Elect

(continued)

“We also have genuine credibility: our federal and private partners have seen for decades that CRCPD people work well together to generate products of high quality and great value.”
William Irwin

Since becoming a Director Member in 2005, I have enjoyed my time volunteering immensely.

I started by joining the HS/ER-4 Task Force on evaluating resources for responding to and recovering

from radiological dispersal devices and improvised nuclear devices (IND) then led by Debra McBaugh. When I later became chair our team developed a four-hour training course on INDs which we presented at the Tampa meeting. We also created the radiological/nuclear emergency response and recovery toolbox on the CRCPD website that you can go to for precise, effective assistance when you need it most. For the past few years, I have had the privilege of representing CRCPD at the Department of Homeland Security's (DHS) IND Forum and as a member of the Office of the Assistant Secretary for Preparedness and Response's Public Health Management Working Group. My most recent volunteer work has come as an Advisor to the E-43 Task Force which is working with the Department of Energy, the Environmental Protection Agency and the DHS on environmental radiological data-sharing policy needs and with Executive Director Ruth McBurney, past Chair Adela Salame-Alfie and the DOE to get the Radiation Emergency Assistance Center/ Training Site to deliver a radiation medicine course for us at the Atlanta meeting. *(I hope you all go!)*

Currently, I am the Radiological and Toxicological Sciences Program Chief at the Vermont Department of Health. I lead a team responsible for inspecting radiation-producing machines, meeting the requirements of the Food and Drug Administration contract for mammography inspection, conducting environmental and health surveillance around the Vermont Yankee Nuclear Power Station and improving our overall radiological and nuclear emergency preparedness capabilities. I have developed expertise evaluating physical phenomena like wind turbine sound waves, lasers, radiofrequency radiation and low frequency electromagnetic fields, and my group and I also provide Vermonters with guidance on chemical toxicology and risk assessment. Supporting that role, I am a crew chief for the state

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CRPCD Welcomes New Board Members

(continued)

hazardous materials response team. I feel well prepared to work with the Board of Directors and its partners for radiation protection because of the variety of my experiences. In addition, I have testified before the state legislature on new regulations, program funding issues and the public health questions surrounding particular bills. I have also testified before the state's public service board, am a member of the Vermont State Nuclear Advisory Panel, have presented dozens of scientific papers, and have moderated numerous professional meetings.

William Irwin Chair-Elect

(continued)

I think I am well-rounded, and **I hope this gives me skill at working well with others either as a leader or team member.** Soon after graduating from

college, I got my start as a radiation protection technician helping to make safe the construction, refueling and overhaul of nuclear submarines and other U.S. Naval vessels. I developed my early leadership skills as a training instructor and supervisor at numerous nuclear power plants in Arizona, Alabama, North Carolina, South Carolina, Virginia (I am originally a southern boy) and New Hampshire. After earning a Master of Business Administration, Master of Science in Radiological Physics, a Doctor of Science in Work Environment Engineering and certifying with the American Board of Health Physics, I polished my technical capabilities as a health physicist at Massachusetts institute of Technology (MIT) and Harvard University for thirteen years. At home, I am the training officer, a firefighter, fire captain and emergency medical technician for the town fire and rescue service, a member of the town and regional planning commissions and my wife and I run a farm where we raise organic blueberries, free-range egg-layers, horses, sheep and dairy goats.

I look forward to serving CRCPD as Chair-Elect and working with the members.

CRPCD Welcomes New Board Members

(continued)

Aaron Gantt Treasurer Elect

Aaron Gantt Joins Board as Treasurer-Elect

Aaron A. Gantt who was born in New York, was raised in South Carolina. He is currently the Chief of South Carolina's Bureau of Radiological Health. He earned a Bachelor of Science Degree in Biology from Benedict College.

Mr. Gantt has been working with the South Carolina Department of Health and Environmental Control (DHEC) for more than 29 years. During his time at DHEC, he served as a Health Physicist and performed inspections of all facilities that contained x-ray equipment.

In 1993, Mr. Gantt accepted a Section Managers position with DHEC where he was responsible for overseeing the inspections of x-ray equipment and the Mammography Program.



In 2001, he accepted a position as Director of the Division of Electronic Products. The Division of Electronic Products is responsible for the registration, inspection, and certification of x-ray machines, as well as the regional calibration facility and tanning program in the state of South Carolina. In this position he was responsible for a variety of tasks such as the Inspection Program, the Mammography Program, the South Carolina Regional Calibration Laboratory and the Tanning Program.

Mr. Gantt accepted his current position in 2006 as the Chief of the Bureau of Radiological Health. In this position, Aaron is responsible for the Division of Electronic Products and the Division of Radioactive Materials and Licensing. The Division of Radioactive Materials and Licensing is responsible for the licensure and inspection of radioactive materials that are naturally occurring or accelerator produced. The Bureau of Radiological Health also provides emergency response and technical assistance to the DHEC Emergency Response Programs.

CRPCD Welcomes New Board Members

(continued)

Aaron Gantt Treasurer-Elect

(continued)

Aaron Gantt is the South Carolina Director Member for the Conference of Radiation Control Program Director (CRCPD) and the South Carolina Agreement State Director with the Nuclear Regulatory Commission.

He has been a member of CRCPD since 1990. Mr. Gantt has served on the H-11 Committee on Mammography and the H-4 Committee on National Evaluation of X-ray Trends. He currently is an advisor on the H-4 Committee on Nationwide Evaluation of X-Ray Trends.

Mr. Gantt was responsible for the implementation of the State As Certifiers Program (SAC) for South Carolina.

As a part of the Mammography Quality Standards Act, the SAC Program is responsible for certifying all mammography facilities. **South Carolina is one of four SAC states.**

During his spare time he enjoys cycling, working out and running. Mr. Gantt is also active in his church where he serves on the Board of Trustees.

CRPCD Welcomes New Board Members

(continued)

Cheryl Rogers Joins Board as Member-at-Large

Cheryl Rogers has served as the Supervisor of the Radioactive Materials Program for the State of Wisconsin for 13 years **and assisted in the state's effort to become an Agreement State.** She is responsible for the training and mentoring of staff who perform inspections, licensing and enforcement of radioactive material licensees. Prior to joining the Wisconsin Program, Ms. Rogers was employed in the Nebraska Radiation Protection Program where she worked 8 years in the Low-Level Radioactive Waste Program. She has a Bachelor's degree from Wellesley College and a Master's degree from University of Nebraska-Lincoln, both in geology.

Cheryl Rogers Member-at-Large

Ms. Rogers has participated in multiple working groups and supports CRPCD initiatives.



In the past, she participated in Suggested State Regulations for Control of Radiation (SSRCR) Part G (Healing Arts-Radioactive Material), Part U (Uranium) and the Orphan Source Working Groups under the leadership of Chairperson Joe Klinger. Ms. Rogers was the recipient of the James W. Miller Award in 2006.

From 2010-2013, Ms. Rogers served as Chair-Elect, Chair and Past-Chair of the Organization of Agreement States (OAS). During this time the OAS Board advocated for additional medical training courses due to a back-log of applicants for training, supported dose based criteria for permanent implants and commented on many NRC documents. Currently she is serving as Co-Chair of the Policy Statement Working Group.

As a Member-at-Large, Ms. Rogers will continue to support CRPCD initiatives. In particular, she is interested in the SSRCR development and approval process and implementation dates required by the Nuclear Regulatory Commission. **She will advocate for new approaches to bring their development into alignment with due dates.** Ms. Rogers will work to highlight the state perspective and important role the states have in protecting public health and safety.



SCATR Update

Project Status

To date collection:
6130 sealed sources

Participants may register and have sources collected before the end of July.

SCATR Update for the Class A Collection

By Russ Meyer, CHP

The end of March is the midpoint of the year for disposing of disused Class A sources at Energy Solutions' (ES) Clive facility under CRCPD's Source Collection and Threat Reduction (SCATR) program

Currently, the collection is concentrated in Pennsylvania, Maryland, Washington DC, Virginia, North Carolina and Michigan. Later in April and in early May efforts will be directed toward Florida, Tennessee, Kentucky, Arkansas and Nebraska. California work is being completed and stragglers will be collected in Alabama, Kansas, Illinois, Ohio and New York City. **To date the broker has collected approximately 6130 sealed sources (3912 Class A and 2218 Class B/C).** B/C sources from the participating non-sited states are being disposed of at the Waste Control Specialists (WCS) facility in Andrews, Texas.

One disposal at ES and one at WCS have occurred and another is scheduled for April for each facility. CRCPD and the broker are beginning to plan for the cessation of the collection. **Presently, we are anticipating ceasing collection of sources for the Class A collection around the end of July.** This will provide a sufficient time to package the Class A sources for disposal at Clive and for ES to process and dispose of the sources before the deadline of September 30, 2014.

We want to stress that there is still time for participants to register and have their sources collected before the end of July. We encourage all to take advantage of this opportunity before it is gone. A registration form can be downloaded from <http://osrp.lanl.gov/SCATRTemplate.xls>. The form is self-explanatory and contains the email address for submission. A template letter is available for reference at http://www.crcpd.org/stateservices/DOE_SCATR.doc. The letter contains a table that gives the Class A concentrations for radionuclides commonly found in the SCATR database and a brief description on how to use them. **For additional questions please contact Russ Meyer at 512-761-3822 or email to rmeyer@crcpd.org.**



HS/ER-5 Committee Meetings

FRMAC/TF-100

Federal Radiological
Monitoring &
Assessment Center
(FRMAC)

FRMAC/TF-100
Course Content

Introduction to
Turbo-FRMAC

Overview of
Protective Action
Guides, DRL and DILs

Example
calculations using
the various options
of Turbo-FRMAC

HS/ER-5 Committee Meeting

National Radiological Emergency Preparedness Conference

Salt Lake City, Utah -April 6 through April 10, 2014

By Ken Evans, Chairperson

Members attending the conference participated in coursework and meetings including:

- **FRMAC/TF 100-FRMAC Dose Assessment Methodology Course**
- **HS/ER5 Committee Meeting**
- **DOE/FRMAC Meeting**
- **Nuclear Energy Institute (NEI) Meeting**
- **NRC/FEMA Meeting**
- **EPA Meeting**

This meeting report summarizes those events.

FRMAC/TF-100-FRMAC Dose Assessment Methodology

Members of the HS/ER-5 attended the **FRMAC/TF 100-FRMAC Dose Assessment Methodology as it relates to the revised EPA-PAG Manual Course** prior to the start of the conference proceedings on Sunday, April 6, 2014. This course, recognized by the American Board of Health Physics, provided Certified Health Physicist (CHPs) with 16 continuing education credits.

The FRMAC/TF-100 provides a comprehensive introduction to Turbo-FRMAC. The course's content included:

- Introduction to Turbo-FRMAC
- Overview of Protective Action Guides, DRL and DILs
- Example calculations using the various options of Turbo-FRMAC

This course was part lecture with some student activities using Turbo-FRMAC to perform calculations. Participants were required to have a technical background, preferably as radiation professionals. →

HS/ER-5 Committee Meetings *(continued)*

by Ken Evans, Chairperson

HS/ER-5 Meeting Topics

Fact Sheet and
Specific Charges

Mission and
Future of
HS/ER-5

Actions to
Be More
Productive and
Effective

HS/ER-5 Committee Meeting

The opening session of the HS/ER-5 Committee meetings was for committee members and advisors only. Mr. Ken Evans, Mr. Ken Yale, Mr. Steve Woods and Ms. Marinea Mehrhoff attended the meeting. **The focus of this meeting was general topics related to the CRCPD's overall mission, goals and objectives.** CRCPD's By-Laws, Strategic Plan, and Membership were reviewed and discussed. Each committee member was informed about terms of service on committees and expectations of individuals serving on committees.

The committee then reviewed and discussed the HS/ER-5 Fact Sheet and specific charges. **The committee had a lengthy discussion regarding the mission of HS/ER-5 and the future of the committee.**

The committee charges were discussed at length during this session. The committee chair provided each of the members with an overview of the protocols, procedures and forms used by CRCPD in committee activities.

The committee had an open discussion regarding what actions could be taken to make the committee and its members and advisors more productive and efficient in carrying out the charges assigned.

- **One key element** is to continue with quarterly conference calls to discuss committee business on a regular basis. All committee members, advisors, liaisons and interactive resources would be invited to participate. **This effort ensures the continued involvement of all members at some level in the activities of the group.**
- Another topic discussed in some detail was **how to reach out to other states in the Radiological Emergency Preparedness (REP) community and solicit their input into topics of interest.**
- **Ways to survey these REP states about possible problem areas were also discussed.**

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HS/ER-5 Committee Meetings *(continued)*

by Ken Evans, Chairperson

DOE/FRMAC

Discussion Items

On-going Projects

Future Commitments

Potential Activities

DOE/FRMAC Meeting

The committee met with representatives of the Department of Energy (DOE) to discuss:

- ongoing projects;
- future commitments; and
- potential activities related to the HS/ER-5 committee's role in DOE's initiatives, particularly those that relate to the Federal Radiological Monitoring and Assessment Center (FRMAC).

HS/ER-5 currently serves on the following FRMAC Working Groups:

- **Laboratory Analysis Working Group;**
- **Assessment Working Group;**
- **Mission Analysis Working Group;**
- **Operations Working Group;**
- **Health and Safety Working Group;**
- **Monitoring and Sampling Working Group; and**
- **Consequence Management Home Team Working Group.**

During this session, the committee was able to review the commitments to FRMAC through the charges and discuss continued participation in the working groups. Specific committee members and advisors were identified for certain working groups and others were left open for future consideration.

There were a number of specific projects discussed during the meeting related to ongoing commitments from the committee to the DOE/FRMAC through the working groups and other task force related initiatives. Included in these initiatives were:

- In an effort to support the development and implementation of the **RadResponder Network** as a viable option for standardizing the collection, transmission and storage of field radiological data, the CRCPD E-43 Task Force is currently working on the development of policy and support

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HS/ER-5 Committee Meetings *(continued)*

by Ken Evans, Chairperson

DOE/FRMAC Initiatives and Commitments

RadResponder
Network

2014 Vibrant
Response Exercise

NEI Goal

Improved
Communication
Between
NEI
and
CRCPD

for RadResponder and is scheduled to make a presentation next month at the CRCPD meeting. **DOE expressed interest in this and felt that CRCPD could be helpful in getting the word out about RadResponder.**

- FRMAC has funding to support the participation of CRCPD members in the **2014 Vibrant Response Exercise**. The dates of the exercise are the week of July 21, in the Indianapolis, Indiana area. **DOE has asked for CRCPD support and members to participate as controllers, evaluators or facilitators.** The HS/ER-5 Committee has agreed to assist with that request.

During the meeting with FRMAC there was a discussion of the **Vibrant Response Exercise to be held in Indiana on July 21, 2014.** FRMAC would like to have a few state personnel assist. The training requirement is LN 200 which is a two-day course. To meet this need, FRMAC will try to schedule a course and provide funding for any state personnel who may participate. This training would be held in Indiana.

NEI Meeting

A meeting was held with Nuclear Energy Institute (NEI) to discuss common topics of interest to NEI and CRCPD. Sue Perkins Grew of NEI and I agreed to exchange information on a more formal basis. **The goal is to improve communication between CRCPD and NEI.**

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HS/ER-5 Committee Meetings *(continued)*

by Ken Evans, Chairperson

NRC and FEMA Acronyms

Hostile Action
Based Emergency
Preparedness
(HAB)

Integrated Public
Alert and Warning
System (IPAWS)

Radiological
Emergency
Preparedness
(REP)

State-of-the-
Art Reactor
Consequence
Analyses
(SOARCA)

Emergency
Planning Zone
(EPZ)

Potassium Iodide
(KI)

NRC/FEMA Meeting

A scheduling change required meeting with the Federal Emergency Management Agency (FEMA) on Wednesday night. This was the same night as NRC was scheduled to meet. Therefore on Wednesday night our meeting was held first with NRC, and then the meeting extended with FEMA and some NRC representatives for cross cutting issues and finally a third meeting was held with only FEMA present. **This new format appeared to be productive in that the joint FEMA/NRC meeting eliminated duplication while allowing discussion of cross cutting issues.**

The NRC and FEMA provided some additional information on the status of NUREG-0654 review and revision. **Many other items were discussed:**

- The NRC is reviewing the basis for the Hostile Action General Emergency (HG1). Based on their experience in the last year observing HAB exercises, they feel that in many cases this is an over-classification in the sense that many of the General Emergencies declared in these exercises do not result in imminent releases. In fact, many of the postulated General Emergencies would not result in a release for up to 24 hours.
- The public meeting engagement session for NUREG-0654 will be in June.
- The current schedule to issue Revision 2 of NUREG-0654 is late 2016 or early 2017.
- There are still no IPAWS applications approved for the REP program.
- There are still no plans to use SOARCA in any Emergency Preparedness (EP) application. NRC will use insights from the current full scope site Level 3 Probabilistic Risk Assessment project to inform their future direction as far as any changes to the EP planning basis.
- The petition to expand the EPZ was just rejected last week.
- The two items from the Tier 3 recommendations to expand the EPZ size and the need to issue potassium iodide (KI) beyond 10 miles are not expected to go anywhere. In fact

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HS/ER-5 Committee Meetings (continued)

by Ken Evans, Chairperson

EPA Meeting Focus

Revision to
EPA's manual
of
Protective Action
Guidelines

NRC stated that they expect these issues to fade away.

- Decommissioning was discussed in some detail. There are currently no regulations in place that address the EP requirements for shut down reactors. Currently Zion has been used as a model. NRC pointed out the need to put regulations in place because it is a serious issue, but noted that there is no point expending resources that will have no safety benefit.
- Ken Yale of Michigan asked if the NRC would continue to fund KI replacement in states that have accepted KI. NRC responded that although not funded, the commission has made this a priority each time replacement of KI has been needed.

EPA Meeting

The HS/ER-05 Committee met with Sara DeCair of the EPA. The focus of the discussion was the **revision to the EPA's manual of Protective Action Guidelines (PAG)**. The document was published in the *Federal Register* on Monday, April 15, 2013 for public comment. CRCPD's HS/ER-5 Committee provided state program comments on the document last year. Ms. DeCair was pleased with the CRCPD comments and as a result most were accepted. In particular, she provided this status report.

- The new EPA PAG Manual is currently being revised to address the comments that were received.
- The goal is to have a revised version ready by the end of the year.
- It is expected that it will be approximately one year after the *Federal Register* Notice is issued that organizations will be required to implement the rule.
- As a result of the comments, they are putting the thyroid PAG back in and it will be based on adult dose. The 5 Rem child thyroid was meant to apply to issuance of KI and never to evacuation or shelter decisions.
- EPA also hopes to publish a water PAG for comment.
- It is expected that FGR 11, 12, and 13 will be revised sometime in the next four years.



LLW Forum Disused Sources Working Group Issues Report

Report Development

DSWG:
8 Directors
of the LLW Forum

19
Stakeholder Meetings
30 Months

Comprehensive Study

24 Recommendations
in Topical Areas

Study of the Management and Disposition of Sealed Sources from a National Security Perspective

Published: Low-Level Radioactive Waste Forum, Inc., March 2014

At the request of the U.S. Department of Energy (DOE) National Nuclear Security Administration/Global Threat Reduction Initiative (NNSA/GTRI), the Low-Level Radioactive Waste Forum (LLW Forum)—a national association of states, radioactive waste compacts, federal agencies, and industry representatives—formed the Disused Sources Work Group (DSWG) in September 2011 to develop recommendations for improving the management of disused sealed sources that pose a threat to national security.

The DSWG, comprised of eight Directors of the LLW Forum, after soliciting input from a broad range of stakeholders at 19 meetings held in the previous 30 months, has issued the final report of the working group, **Study of the Management and Disposition of Sealed Sources from a National Security Perspective.**

After examining the issue in a comprehensive approach in order to address all stages in the life cycle of a sealed source, the DSWG developed findings and recommendations. Beginning at page 27 of the report, a Summary of Findings and Recommendations includes 24 recommendations in these topical areas:

- Failure to Reuse Sealed Sources in Inventory and to Consider Alternative Technologies
- Lack of Awareness of the Life-Cycle Costs of Managing Sealed Sources
- Inadequate Licensing Requirements
- Lack of an Adequate Source Tracking System
- Inadequate Financial Assurance Requirements
- Inadequate Funding for Orphaned and Abandoned Source Disposition
- Extended Storage of Sources
- Large Inventories Held by Manufacturers and Suppliers
- Need for Greater Controls on Import of Foreign Disused Sources

LLW Forum Disused Sources Working Group Issues Report

(continued)

Findings

Summary
of Findings
and
Recommendations
includes 24
recommendations
in topical areas

Study of the Management and Disposition of Sealed Sources from a National Security Perspective - *continued*

Published: Low-Level Radioactive Waste Forum, Inc., March 2014

- Lack of Opportunities for Reuse and Recycling
- Licensees Are Not Taking Advantage of Disposal Opportunities
- Limited Availability and High Cost of Type B Shipping Containers Impedes Prompt Disposal
- Future Transition of Programs That Provide Unintended Disincentives for Disposal

The final report, which includes findings and recommendations from the working group, was released at the spring LLW Forum meeting in Austin, Texas on March 17, 2014. The report is available online at: <http://www.llwforum.org>



RRVC Outreach at Public Health Preparedness Summit

CRCPD Participation at Preparedness Summit

“We had a very productive time at the Preparedness Summit. I believe that it was time and resources well spent and gave us the opportunity to help advance the work of the Radiation Response Volunteer Corps.”

Isabelle Busenitz

Radiation Volunteer Development Outreach at Public Health Preparedness Summit

By Isabelle Busenitz

CRCPD exhibited and provided outreach on the Radiation Response Volunteer Corps (RRVC) program at the Public Health Preparedness Summit in Atlanta, Georgia on April 1-4, 2014. HS/ER-10 Committee Chair Isabelle Busenitz and Executive Director Ruth McBurney staffed the booth during the Summit.

The Preparedness Summit is the premier national conference in the field of public health preparedness. Over 1,650 attendees participated in the four-day event, including professionals working in all levels of government (local, state, and federal), emergency management, volunteer organizations, and healthcare coalitions.

CRCPD's booth was located adjacent to that of the Centers for Disease Control and Prevention (CDC) Radiation Studies Branch, and participants interested in radiological preparedness took the opportunity to visit both exhibits. **As a result of the interactions at the Summit, several Medical Reserve Corps units and public health preparedness agencies expressed interest in applying for the RRVC sub-awards offered by CRCPD to recruit and train radiation professionals for population monitoring during radiological emergencies.**

Since several of the project leads for the current agencies and organizations participating in the RRVC program as sub-awardees of CRCPD were present at the Summit, the representatives from CRCPD, CDC and the RRVC sub-awardees took that occasion for an opportunistic dinner meeting for all involved to get to know each other and share RRVC experiences.

As Isabelle Busenitz stated, “We had a very productive time at the Preparedness Summit. I believe that it was time and resources well spent and gave us the opportunity to help advance the work of the Radiation Response Volunteer Corps.”

More information on the RRVC project can be found at:

http://www.crcpd.org/RRVC/rvc_rfp.aspx



Isabelle Busenitz



In Memorium

Larry L. Lloyd**1934-2014**

Larry Lloyd, former radiation control program director in Montana, passed away on March 5, 2014. Larry was born to William (Bill) M. Lloyd and Alice Grass Lloyd at the Barrett Hospital in Dillon, Montana on October 10th, 1934. Growing up in Dillon, Larry enjoyed fishing and hunting with his dad, friends and his dog Mickey. Mickey held a special place in Larry's heart and was one of the first of many well-loved canine companions.

Larry attended grade school and high school in Dillon and graduated from Beaverhead High School in 1952. He enrolled at Western Montana College and graduated in 1958 with a Bachelor's Degree in Education, majoring in mathematics and science.

In 1958, Larry was hired to teach science and mathematics at Three Forks High School. In 1960 he accepted an offer from the Department of Army Overseas Schools to teach advanced mathematics and physics at the Kubasaki Senior High School in Okinawa. While living in Okinawa he enjoyed traveling to cities throughout Asia. After two years he transferred to the Paris American High School in Paris, France where he taught mathematics for a year.

In 1963 Larry returned to Dillon where he worked on the construction of the Clark Canyon Dam and on Interstate Highway projects south of Dillon. In late November he accepted a job as a Health Physicist at the then National Reactor Testing Station (NRTS) near Idaho Falls, Idaho where he was employed until June 1967. Larry was then offered a Public Health Fellowship at the University of Minnesota to work toward a Masters Degree in Radiological Health. It was there that he met his wife to be, Darlene Ahlers. Larry and Darlene were married in November 1968. Larry received his Masters Degree a month later.

In January 1969 Larry and Darlene moved to Idaho Falls where Larry again went to work at the NRTS as a Health Physicist. In June 1969 Larry and Darlene moved to Helena where he began working for the Montana State Department of Health where he remained employed until he retired in 1990.

Larry was an active member of CRCPD. He served on the Board of Directors from 1983-1986, and was a member of the first SSR Part N (TENORM) Committee.

Larry is survived by his wife Darlene, son Bill (Miki) and grandchildren Brent and Kaci of Helena, and daughter Suzy (fiancé Matt) of Seattle, Washington.

CRCPD Welcomes New CRCPD Members

Goal: 100

April Membership: 890

Director Members

Katey Anderson (ID)
Denny Galloway (CT)
Todd McCaskell (SD)

Associate Members

Kim Anderson (OH)
Dawn Aronhalt (OH)
Dwain C. Baer (OH)
Rochelle Batdorf (OH)
Steven Bean (OH)
Patrick Becker (OH)
Barbara Beauchamp (NV)
Jill Boley (OH)
Jacqueline Bowling (NV)
Willie Burgess (FL)
Paul Carder (OH)
Rebecca Cherti (NV)
Sarah Clark (WA)
Amy L. Cosner (OH)
Doug Cosner (OH)

New Members for March and April 2014

Associate Members

(Continued)

Susan Crouse (OH)
Sangita P. Desai (OH)
Shannon Dettmer (OH)
Jim Doty (OH)
Terri Eckert (OH)
Gerald Ewanick (NV)
Jim DeFrain (NE)
Charlene Graham (OH)
Cynthia Grant (OH)
Larry Harisis (NE)
Curt Heath (OH)
Craig Helm (OH)
Pamela Hintz (OH)
John Hultquist (UT)
Alton Jenkins (WA)
Sabanjo Kelly (MN)
Adnan G. Khayyat (IL)
Tyler Kruse (MN)
Pamela Hintz (OH)
John Hultquist (UT)
Alton Jenkins (WA)
Sabanjo Kelly (MN)
Adnan G. Khayyat (IL)
Tyler Kruse (MN)
Sean P. Kubera (OH)
Robert Leidy (OH)
Celeste Lipp (OH)

Associate Members

(Continued)

Elizabeth Luby (NV)
Steve Mast (WA)
Stacey M. Melick (OH)
Bryan Miller (NE)
Tim Mitchell (NV)
Richard Montemarano (WA)
Shannon Page (MD)
David Parker (DE)
Dale P. Patrick (ND)
John Priest (SD)
Sneha Ravikumar (NV)
Michael J. Rubadue (OH)
Courtney Shipley (OH)
Howard Shuman (NE)
Becki Timm (NE)
Tiffany Todd (OH)
James Ways (MD)
Hans Weger (TX)
Caitlin Wuerthner (OH)
Shawn Zimpfer (OH)

Affiliate Members

Frederic Fahey (MA)
Christopher E. Kuches (FL)
Troy J. Mueller (DC)

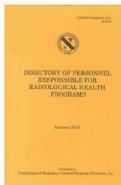
Emeritus Member

James Yusko (PA)



Directory Changes - April 2014

April 2014



Page 2

OED Amy Popp – insert new email <apopp@crcpd.org>

Page 7

AL Beverly Jo Carswell change Carswell to Perry and insert new email: <beverlyjo.perry@adph.state.al.us>

Page 10

AZ Toby Morales change cell to: 602/768-3734; Brian Goretzki change phone to: 602/255-4845 and insert cell: 602/758-3732; Randy Newman remove in its entirety.

Page 25

ID Remove David Eisentrager and insert Katey Anderson, email: andersok@dhw.idaho.gov

Page 40

MA Remove Beverly E. Anderson, and insert Jack Priest, Director, insert new cell: 617/388-9540, email: jack.priest@state.ma.us

Page 94

VA Steven A. Harrison change phone to: 804/864-8151



CRCPD Board of Directors

<i>Board position</i>	<i>Name</i>	<i>State</i>	<i>Work Phone</i>	<i>E-mail address</i>
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Member-at-Large.....	Patrick Mulligan.....	New Jersey.....	609/984-7700.....	patrick.mulligan@dep.state.nj.us

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General Council and Liaisons	J. Thompson (AR) 501/661-2173 jared.thompson@arkansas.gov
Healing Arts Council	L. Bruedigan (TX) 512/834-6770, Ext. 2701 lisa.bruedigan@dshs.state.tx.us
Homeland Security/Emergency Response Council	P. Mulligan (NJ) 609/984-7700 patrick.mulligan@dep.state.nj.us
Suggested State Regulations Council	D. Allard (PA) 717/787-2480 djallard@pa.gov

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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: Sue Smith, 1030 Burlington Lane, Suite 4B, Frankfort, KY 40601 (fax: 502/227-7862; email: <ssmith@crcpd.org>. The deadline for contributions is the 15th of the month before an issue is to be published.

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