



Conference of Radiation Control Program Directors, Inc.

NEWSBRIEF

www.crcpd.org

A Partnership Dedicated to Radiation Protection

April 2015

Message from Chairperson Michael J. Snee

The countdown has begun to the start of the 47th Annual National Conference on Radiation Control, *Building on Momentum: Success of Partnerships in Radiation Protection*, which will be held in St. Louis, Missouri, May 18-21, 2015.



There is still time to register for the meeting. When you register don't forget the sessions that will be held on Sunday, May 17:

- American Association of Physicists in Medicine (AAPM) session *The Changing Face of Radiation Protection in Medical Use of Radioactive Materials and Machines that Produce Radiation*; or
- *TENORM Workshop for Bridging the Regulatory Gaps in the Oil and Gas Industry* presented by the CRCPD E-42 Task Force.

→

Inside

Message from Chairperson Michael J. Snee	1	FRMAC Assessment Workgroup Annual Meeting.....	11
Greetings from Your Executive Director	4	Advisory Team Meeting	15
New Board Members		47th National Conference	18
Jared Thompson	6	CRCPD Welcomes New CRCPD Members.....	19
Jennifer Elee	7	Directory Changes	20
Ken Yale, M.S.	8	CRCPD Board of Directors	21
NARR Begins Strategic Planning Process.....	9	CRCPD Councils.....	21

www.crcpd.org



Message from Chairperson *(continued)*

Meeting with NRC

Explored
more
opportunities to
enhance
our partnership
with NRC



Front: NRC Commissioners - Commissioner Jeff Baran, Commissioner Kristine Svinicki, Chairman Steven Burns, and Commissioner William Ostendorff.

Back: CRCPD and OAS representatives - Sherrie Flaherty (MN, OAS), Bill Irwin (VT, CRCPD), Alan Jacobson (MD, OAS), Mike Snee (OH, CRCPD), and Mike Welling (VA, OAS).

On April 16, Chair-Elect Bill Irwin and I were joined by Organization of Agreement States (OAS) Chair Mike Welling, OAS Past Chair Alan Jacobson and OAS Chair-Elect Sherrie Flaherty in briefing the U.S. Nuclear Regulatory Commission (USNRC) Commissioners on issues of interest to state programs.

The topics included:

- reactor decommissioning;
- RadResponder;
- Agreement State staff training;
- radioactive source security;
- web base licensing and license verification system; and
- Integrated Materials Performance Evaluation Program (IMPEP).

We then met with each of the Commissioners and Nuclear Material Safety and Safeguards (NMSS) management and provided more details and explored more opportunities to enhance our partnership with the USNRC. All of the discussions were very positive and productive.

Message from Chairperson *(continued)*

THANK YOU

“...for helping to make my term as Chairperson a truly rewording experience.”

Mike Snee

As this will be my last Chairperson’s Message I would like to take the opportunity to thank --

Executive Director Ruth McBurney and my fellow Board members of the past year-

Joe Klinger, Bill Irwin, Jared Thompson, Aaron Gantt, Lisa Bruedigan, Pat Mulligan, Earl Fordham, and Cheryl Rogers

-- for helping to make my term as Chairperson a truly rewording experience.

I would also like to thank--

Sue Smith and the rest of the OED staff - Sharon Bowen, Jerry Bailey, Amy Popp, Marla Walker, Bruce Hirschler, and Russ Meyer

--whose support for the Board is invaluable and greatly appreciated.

As always, please forward any other needs or issues that you have to the Board so that we can put the resources of the CRCPD to work for you. We are easily found at http://www.crcpd.org/contact_information.aspx



Greetings from Your Executive Director



Ruth E. McBurney, CHP

Volunteerism

“The number of volunteer hours had increased substantially in 2014 over the amount in previous years to a total of 8877.”

Ruth E. McBurney

Volunteerism is on the Rise at CRCPD

This time of year, CRCPD undergoes an audit by an outside auditing agency, primarily looking at financial records, internal controls, and governance. This year, we were asked a question that we hadn't been asked before. During the review of figures and other information, **the auditor asked why the number of volunteer hours had increased substantially in 2014 over the amount in previous years. The total number of volunteer hours for 2014 is:**

8877

That started me to thinking about the number of great volunteers we have working on projects and ongoing activities. Some of the more significant recent accomplishments by our CRCPD working groups required many volunteer hours. To note just a few--

The complete revision of *Part F, Medical Diagnostic and Interventional X-Ray and Imaging Systems*, of the Suggested State Regulations for Control of Radiation (SSRCRs).

These model state regulations required the Working Group to meet at face-to-face meetings and by conference call many times, review pertinent documents, and confer with medical physicists and physicians. **The document has received federal concurrence and Board approval and was published as a final SSRCCR Part on April 28 and sent to the Director Members and the federal agencies.**

Nationwide Evaluation of X-Ray Trends (NEXT) Training that was developed and presented by the H-4 Committee on NEXT in concert with representatives from the US Food and Drug Administration.

This was the first time the training had been presented as a webinar, and the Committee worked hard to see that it was a success.

Executive Director

Greetings *(continued)*

Annual Meeting

“Plan to attend the National Conference on Radiation Protection, May 18-21, in St. Louis, Missouri.”

Ruth E. McBurney

TENORM Report on TENORM Aspects of the Oil and Gas Industry.

The E-42 Working Group has been meeting weekly to finish the report in time for the CRCPD Annual Meeting and Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) Workshop, which is scheduled for May 17, 2015. The document has undergone peer review and technical editing, and the Task Force is reviewing comments to make any needed adjustments in the final report.

Ongoing and expanding Board, Council and working group activities in the areas of healing arts, environmental and general radiation, homeland security and emergency response, SSRCRs and liaison with other organizations.

Again, many volunteer hours have been and continue to be spent on providing products and services of great use to state radiation control programs.

As we do the final preparations leading up to the National Conference on Radiation Protection next month in St. Louis, you can be proud of the accomplishments made by you and many of your colleagues involved in volunteer CRCPD activities. It is all worthwhile in making improvements in radiation protection.

Speaking of the upcoming meeting in May, I encourage you to plan to attend if you can. More information on the meeting is provided in a separate article. I hope to see many of you there—it is shaping up to be a great meeting!



new board members who will take office after the annual meeting

Jared Thompson (Arkansas) Chair-Elect

Jared looks forward to working to strengthen the mission and vision of the Conference of Radiation Control Program Directors. Promoting CRCPD as a valuable resource to the radiation protection community is a primary goal of his. He is particularly interested in nationwide conformity and consistency of radiation regulations.



Currently Jared serves as the Radioactive Materials Program Manager of the Radiation Control Section at the Arkansas Department of Health. As the Program Manager, he oversees and supervises licensing, inspection and enforcement activities. He has been with the Department of Health for 27 years and has experience as

- an X-Ray/Mammography inspector;
- a Radioactive Materials inspector;
- an X-Ray/Mammography Program Manager; and
- an Emergency Preparedness Planner.

Jared has a Bachelor of Science degree in Chemistry and Biology from the University of Central Arkansas in Conway, Arkansas.

His CRCPD activities include:

- serving as the current CRCPD Treasurer and Chair of the General Council;
- serving on on several CRCPD working groups;
- acting as the CRCPD representative for the NRC rulemaking for Part 37 Physical Protection of Byproduct Material; and
- serving as Chair of the E-42 Task Force Review of TENORM in the Oil and Gas Industry.

Jared was Past Chair of the Organization of Agreement States from 2003-2006. Honors and awards include:

- induction into the OAS Hall of Fame in 2011; and
- receiving the Food and Drug Administration Commissioner's Special Citation as a Member of the Mammography Quality Standards Act (MQSA) Group for collaborative work with the FDA for implementation of the of MQSA of 1992.

new board members who will take office after the annual meeting

**Jennifer Elee
(Louisiana)
3 Year Member at Large**



Jennifer has long been a supporter and advocate of the Conference of Radiation Control Program Directors. As a member of the board, Jennifer will continue to promote CRCPD. She will work with our federal partners, state partners, and other radiation organizations to address current and pressing issues that affect us all. She will also work to increase our membership at all levels. Jennifer feels that we must work to keep CRCPD at the forefront of radiation issues. CRCPD provides invaluable resources to our members for training and current information. She believes that we must work to provide both timely and needed resources to all of our members.

Jennifer is an Environmental Scientist with the Louisiana Department of Environmental Quality. She has worked in the radiation protection field for more than 20 years. Jennifer is responsible for:

- Mammography Quality Standards Act (MQSA) inspections;
- inspections of radioactive material licensees; and
- inspections of x-ray registrants, both diagnostic and therapeutic facilities.

Jennifer participates in nuclear power plant exercises and provides support for all Radiological Emergency response including Waste Isolation Pilot Plant (WIPP) issues. Jennifer also provides training for state inspectors and radiologic technologists as needed.

Jennifer received her Bachelor of Science degree in Environmental Management Systems with an emphasis on Environmental Health from Louisiana State University. In addition to completing the MQSA Courses, Jennifer has completed additional training courses sponsored by the U.S. Nuclear Regulatory Commission and U.S. Federal Emergency Management Administration. Jennifer has participated in several National Evaluation of X-Ray Trends (NEXT) studies as well.

Jennifer has been an active member of CRCPD for many years.

- She served a three-year term as treasurer from 2007-2010.
- As a CRCPD board member, she chaired the Healing Arts Council, Suggested State Regulations Council, and the General Council.
- She has served as a member and Chair of the Mammography Committee (H-11) and the MQSA Inspection Frequency Task Force.

She currently serves as:

- Chair of the Committee on Radiation Medical Events;
- as member of the Committee on NEXT; and
- as the CRCPD liaison to the American College of Radiology.

→

new board members who will take office after the annual meeting

**Ken Yale, M.S.
(Michigan)
2 Year Member at Large**

Ken Yale is the Chief of the Radiological Protection Section within the Office of Waste Management and Radiological Protection of the Michigan Department of Environmental Quality.

He holds Bachelor of Science degree in Nautical Science from the U.S. Merchant Marine Academy, and a Master of Science degree in Physics from the University of Michigan.



Ken has been involved in the state Radiation Control Program since 1995.

He spent his first 9 years conducting x-ray machine inspections, including Mammography Quality Standards Act (MQSA) inspections.

In 2004 he took a position with the Radiological Emergency Preparedness Unit within the Michigan Department of Environmental Quality.

In 2011 he was promoted to Chief of the Radiological Protection Section. In this position, he oversees the programs for:

- Radiological Emergency Preparedness;
- Radioactive Materials;
- Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM);
- Radon; and
- Environmental Monitoring.

Ken was appointed by the Governor to serve as the USNRC State Liaison Officer and to represent Michigan on the Council of State Governments Midwestern Radioactive Materials Transportation Committee.

He serves as one of Michigan's two Director Members to the Council of Radiation Control Program Directors. He also serves as a member of the CRCPD HS/ER-5 Committee and as an advisor to the HS/ER-4 Committee.

Most recently, Ken served on the Michigan TENORM Disposal Advisory Panel which completed a review of the TENORM disposal practices in Michigan.



NARR Strategic Planning

...entering its fifth year of serving as the voice of health in radiation readiness.

...looking to the future to address radiological preparedness issues in a combined effort.

NARR Begins Strategic Planning Process

by Ruth E. McBurney

National Alliance for Radiation Readiness (NARR), a coalition of public health, medical and emergency management agencies, including CRCPD, is entering its fifth year of serving as the voice of health in radiation readiness. As it has grown and evolved, **NARR is looking to the future to address radiological preparedness issues in a combined effort.**

In so doing, the alliance is conducting a strategic planning process, which started last month with a series of interviews of the representatives from some of the key organizations involved. In particular, the interviews focused on:

- discussions of the strengths, weaknesses, critical issues in radiological preparedness in the next three to five years; and
- thoughts on the priorities for NARR to establish in strategic planning to address the national needs and issues.

NARR will also conduct a **Situational Awareness Session** to initiate strategic planning for the future of the alliance on May 5, 2015, the day before its scheduled annual meeting on May 6-7.

Already, **we have seen greater interest and planning activities among other public health organizations in the area of radiological preparedness.** For example, National Association of County and City Health Officials (NACCHO) has established a Radiation Workgroup, which is holding monthly conference calls and web-based presentations regarding topics such as population monitoring, community reception center setups, and sheltering exercises.

This year's NACCHO-sponsored **Public Health Preparedness Summit**, held in Atlanta, Georgia, April 14-18, 2015, **included five sessions on radiological preparedness.** Prepared local health departments can be a tremendous asset in radiological incidents. Many of the latest Radiation Response Volunteer programs through CRCPD have been established in local health departments and Medical Reserve Corps units.

NARR Resources

**Traveler Screening
Guide
is nearing
finalization.**

**This will be a useful
tool for screening
potentially
contaminated
passengers arriving
in the United States
from locations of a
major radiological
incident.**

NARR Begins Strategic Planning Process - *continued*

The Traveler Screening Guide, which was developed by a NARR working group that also included representatives from the Centers for Disease Control and Prevention (CDC), is nearing finalization. This will be a useful tool for screening potentially contaminated passengers arriving in the United States from locations of a major radiological incident.

Check NARR's website, www.radiationready.org, for radiation preparedness resources and more information on NARR.

Through this alliance, CRCPD and other organizations are working to meet the goal of being a more prepared nation for radiation emergencies.



Purpose of FRMAC AWG

develop and
implement
consistent,
accurate and
state-of-the-art
radiological
assessment
methods
across all the
represented
agencies

FRMAC Assessment Workgroup Annual Meeting

By: Cynthia A. Costello, MS, MPH, CHP

Chief, Radiological Emergency Response Section

Chief, Environmental Radiation/Radon Section

NYS Department of Health

I attended the annual meeting of the Federal Radiological Monitoring & Assessment Center's (FRMAC) Assessment Workgroup (AWG) meeting held on February 24-25, 2015, in Arlington, Virginia.

The FRMAC WAG is **an interagency working with members from federal and state agencies across the United States who have expertise in performing technical assessments of radiological and nuclear releases**. The primary purpose of the AWG is to develop and implement consistent, accurate and state-of-the-art radiological assessment methods across all the represented agencies.

Implementing a consistent set of assessment methods enables the various agencies comprising the FRMAC and Consequence Management (CM) to provide consistent and accurate assessments of the impacts from radiological and nuclear releases. **The AWG recommended assessment methods are defined in the latest version of the FRMAC Assessment Manual**. The AWG meets periodically to review existing methods and relevant regulations to ensure that the existing assessment methods are technically sound, adequate in scope and in concert with current regulations. The AWG updates existing methods, as appropriate, and develops and implements new assessment methods as needed.

During this meeting, the following topics were discussed:

- **Management of Contaminated Non-Food Consumer Products**
- **Building Protection Factors for Residential Buildings**
- **FDA's Guidance for Ingestion Pathway Assessments**
- **IND Source Terms**
- **Particle Size Distribution and Lung Clearance Class**
- **Future Assessment Manual Improvements**

→

Consumer Products

Although the FDA has guidance on the handling of contaminated food products, applicability of this guidance to non-food products is unclear.

FRMAC Assessment Workgroup Annual Meeting - *continued*

Management of Contaminated Non-Food Consumer Products

In preparation for the upcoming Southern Exposure Exercise, the **FRMAC AWG is researching the management of contaminated tobacco and other non-food consumer products** (e.g., wood, flowers, cotton).

- Although the Federal Food and Drug Administration (FDA) has guidance on the handling of contaminated food products, applicability of this guidance to non-food products is unclear.
- Many assumptions used in the development of the food protective action guides (PAGs) are not appropriate for other exposure scenarios.
- Assessing dose from inhalation of radioactive materials also presents some of the difficulties (e.g., inhalation dose coefficients are based on normal breathing, not for smoking activities).
- The appropriate federal agency (most likely FDA) should consider developing PAGs for plant-based consumer products.

Building Protection Factors for Residential Buildings

The AWG Focus Group on Building Protection Factors has identified a number of papers that need to be reviewed and considered to establish FRMAC's default building protection factors. A draft method for the FRMAC Assessment Manual to account for partial occupancy in the contaminated area and for the external radiation protection offered by buildings was presented to the AWG for final approval. **The new method will be included in the next version of the FRMAC Assessment Manual, Volume 1, and automated in the Turbo FRMAC software tool.**

Ingestion Pathways

Food consumption data for the average person in 2015 is very different from the average food consumption of a person in the 1990s which was used to develop the 1998 FDA guidance.

FRMAC Assessment Workgroup Annual Meeting - continued

FDA's Guidance for Ingestion Pathway Assessments

The AWG continues to discuss the relevance of the FDA Derived Intervention Levels (DILs) for contaminated food. **Food consumption data for the average person in 2015 is very different from the average food consumption of a person in the 1990s which was used to develop the 1998 FDA guidance.**

- The AWG has proposed recalculating the DILs based on current food consumption and updated dose coefficients.
- They have also develop a method for calculating FRMAC Intervention Levels (FILs) for radionuclides not included in the FDA guidance.
- FDA recommends the three-month old age group be omitted when calculating intervention levels (FILs) for radionuclides not covered by FDA DILs.

IND Source Terms

Sandia National Laboratory (SNL) has developed source terms to be used to assess U- and Pu-fueled nuclear detonations as part of a Department of Energy (DOE) Technology Integration project. **The advantage of the source terms is that they include only ~ 50 parent radionuclides that produce over 90% of the dose from all the fission and activation products in the fallout and enable nuclear detonations to be more accurately and quickly modeled.**

Particle Size Distribution and Lung Clearance Class

A discussion was held on the need to use more appropriate particle size distribution (PSD), lung clearance class (LCC) and physical form assumptions when performing radiological assessments. **FRMAC's current default assumptions are essentially worst-case assumptions and these are sometimes unrealistic and overly conservative which may result in inappropriate protective action decisions.** The Assessment Manual, Volume 1, and TurboFRMAC will be used to support the use of alternate PSD, LCC, and physical form assumptions. **An AWG Focus Group will be formed to develop guidance on selecting the appropriate PSD, LCC, and physical form for various radionuclides.**

→

Manual Improvements

Being Implemented

KI Administration

Modelling Protracted Releases

Improved Worker Protection

FRMAC Assessment Workgroup Annual Meeting - *continued*

Future Assessment Manual Improvements

The FRMAC AWG will implement the following **Assessment Manual Improvements**.

- **Default Assumptions for assessments to support KI administration decisions will include the inhalation dose from direct plume inhalation and the inhalation of resuspended material, exclude the external dose from cloud submersion and groundshine, and use a 0-96 hr exposure period (time phase).**
- **Modelling for protracted releases (non-puff releases that occur over a longer period of time) will be included.**
- **Improved worker protection/Health and Safety methods are being developed.**

FRMAC currently calculates acute doses by multiplying the total effective (whole body) dose by 0.7 to estimate the mid-line tissue (red bone marrow) dose. The 0.7 is a reasonable approximation over a wide range of gamma ray energies that accounts for the attenuation that occurs as the gamma rays penetrate the body and deposit their energy in the bone marrow. However, radionuclide source terms for U- and Pu-fueled nuclear detonations have been developed. Using these radionuclide source terms will enable the use of the actual dose coefficients for the red bone marrow and will provide an improved method to calculate the dose to the bone marrow.



CRCPD Sent Representatives to the Advisory Team Meeting

By Ken Evans and Pat Mulligan

Advisory Team Meeting Report

On March 25 and 26, Patrick Mulligan HS/ER Council Chair and Ken Evans, HS/ER-5 Committee Chair, attended a meeting of the Advisory Team in Washington, DC. The two-day meeting agenda included updates from all participating federal agencies and the re-development of working groups within the Advisory Team. The following are highlights of the meeting discussion.

The NRC and Federal Emergency Management Agency (FEMA) added a requirement for each Nuclear Power Plant site to conduct a graded Hostile Action Based Drill by the end of 2015. The requirement was added with the rule and guidance changes for the Radiological Emergency Preparedness Program (REP) manual and the addition/change to an 8 year exercise cycle. For the past two years, state and licensee Emergency Preparedness (EP) programs have been focused on these exercises. **During this period, there have been minimal Ingestion Pathway Exercises (IPXs)** and the Advisory Team and Federal Radiological Monitoring & Assessment Center (FRMAC) have been fairly quiet regarding exercise participation. **However, in 2016, the frequency and number of IPXs will dramatically increase and both the Advisory Team and FRMAC will be very busy and certainly unable to support all the drills that will occur.** The Department of Energy (DOE) and the Advisory Team will need further discussions and planning to determine the extent of the support they can provide for all the scheduled exercises in 2016 and 2017.

The Advisory team has been using this time off from Nuclear Plant Exercises to work on the training and Standard Operation Procedures (SOPs) for team members. This has worked out well since looking ahead to 2016 there will not be much time off.

The Environmental Protection Agency (EPA) is working on updates and improvements to their mobile laboratory capabilities. They are in the process of consolidating all their mobile laboratory functions into one facility at Montgomery, Alabama. Improvements include:

- developing rapid methods for traditional sampling matrices;
- posting laboratory methods on the web; and
- testing capabilities to move from routine sample processing and analyses to an emergency mode.

→

CRCPD Sent Representatives to the Advisory Team Meeting -*continued***Advisory Team Meeting
Report**

The EPA also performed a survey of state labs and eight states have mobile labs. **Lastly, EPA is expanding their RadNet coverage from 134 sites to 140 sites and revamping the data management process for deployable systems.**

Sara DeCair provided an update of the comments on the new EPA Protective Action Guides (PAG) Manual. They are currently adjudicating comments. It is estimated that this will be completed by the end of the year and that after its final publication, implementation will take another year to be complete. They are close to deciding on a PAG for water but still have to get administration approval. **Federal Guidance Reports (FGR) 11, 12, 13 and 14 are also in the process of being updated. FGR 12 will become FGR 15 and FGR 11, and 13 will become FGR 16. All of the new reports will use ICRP 103 methodology.**

Bill Irwin provided a presentation on the **Radiological Operatives Support Specialists (ROSS) Concept** from last year's Vibrant Exercise in Indiana.

Terry Kraus from Sandia National Lab gave a presentation on non-food PAGs such as cotton and tobacco. **Some of the problems with non-food items is they have multiple uses which can affect what the PAG can be.** In addition you have the issue of the worker versus the consumer or occupational PAGs versus public PAGs.

John Dixon of the CDC stated that **the 2nd edition of the Population Monitoring Guide** is now available on the CDC website.

Alvin Morris is the new FRMAC manager. This is the replacement for Colleen O'Laughlin's position.

There was an extensive presentation and discussion of the **draft Nuclear/Radiological Annex to the National Response Plan.** CRCPD provided extensive

→

CRCPD Sent Representatives to the Advisory Team Meeting -

continued

Advisory Team Meeting Report

feedback earlier in the month. There has been an effort to add more detail on recovery. The next draft is supposed to be out by the end of the month.

Patrick Mulligan reported on several CRCPD initiatives and activities of the working groups within the Homeland Security

Council. The presentation provided updates on the work of CRCPD with the **National Alliance for Radiation Readiness (NARR)**. Finally, the group was provided with an update on the status of the FRMAC data base and the future initiatives to update and maintain the data base. **An extensive discussion resulted from the work of the E-43 Task Force, which is charged with evaluating current state data collection efforts including type and format of data.** The goal of the task force is to provide recommendations regarding policy for sharing of radiological data between state organizations and with the federal response organizations.

Ken Evans provided the Advisory Team with a summary of the work that has been completed by the HS/ER-5 Committee. The focus was on reviewing and providing comments on the FEMA REP Manual as well as the draft of Revision 2 to NUREG-0654.

The final afternoon of the meeting was reserved for two discussions. One included updates from each of the working groups within the Advisory Team. **The final portion of the meeting was closed to non-advisory team agencies for discussion of Concept of Operations.** The CRCPD HS/ER-5 Committee will assign liaisons to the Advisory Team working groups much like it does for the FRMAC. Assignment will be finalized at the face to face meeting between the HS/ER-5 Committee and the Advisory Team at the NREP meeting in April. There are six working groups identified in the Advisory Team that are currently active:

Charter	Training
Concept of Operations	Logistics/Equipment
SOP	Outreach



47th National Conference on Radiation Control

47th National Conference

Building on Momentum: Success of Partnerships in Radiation Protection

The 47th National Conference on Radiation Control will be held at the St. Louis City Center Hotel and Suites, St. Louis, Missouri, May 18-21, 2015. A complete listing of events and sessions was presented in the February 2015 *Newsbrief*.

The Technical Program Planning Committee is to be commended for establishing an outstanding agenda. The agenda is available at

<http://www.crcpd.org/2015AnnualMeeting/Docs/Announcement2015.pdf>

Online registration is available at <https://crcpd.portal.daxko.com>



Room Block: CRCPD Toll Free Number: 855/537-4770

Hotel: St. Louis City Center Hotel and Suites, 400 South 14th Street, St. Louis, Missouri

Online Reservation: <https://gc.synxis.com/rez.aspx?Hotel=63407&Chain=17225&group=GT2LQC1V>.

Guarantee: credit card or one night's deposit

Cancellation Deadline: 24 hours of your arrival date

NOTE: Guaranteed reservations are held for one night only .



March & April

CRCPD Welcomes New Members

Affiliate Members

Kenneth Gavlik (TN)
 Dexter Hamasaki (CA)
 Stan Hampton (IN)
 Glenn P. Sullivan (OH)

Associate Members

Christy Britt (NC)	Al Perlas (VA)
David Crowley (NC)	Lea Perlas (VA)
Denise Cloninger (NC)	Meredith Pieper (AL)
Barbara Dudley-Tune (NC)	Anthony Sands (VA)
Matthew R. Ettinger (VA)	Beth Schilke (VA)
Kimberly M. Gilliam (VA)	Michael Schmidt (NV)
Amy Harmon (NC)	Keldrick C. Taylor (AL)
Leteisha Hunt (MD)	Rikki Waller (ID)
Jessica Kaufmann (VA)	Lance Wilson (IL)
Cydney M. McGuire (MD)	Ladonna Wolfe (MO)
Jessica Morris (AL)	

Total Membership: 914

By Category

Affiliate - 137

Associate - 657

Director Members - 53

Emeritus - 27

Honorary - 8

International - 1

Life - 31



Directory Changes

Directory Changes

*2015 Directory
of Personnel Responsible
for
Radiological Health Programs*

- Page 28 IL Adnan Khayyat insert new phone #: 217/558-3945;
Mary Ann Spohrer insert new phone # 217/524-3504
- Page 44 MI Insert new Main Phone: 517/636-6800.
- Page 50 NE Remove James DeFrain and insert vacant.



CRCPD Board of Directors

<i>Board position</i>	<i>Name</i>	<i>State</i>	<i>Work Phone</i>	<i>E-mail address</i>
Chairperson.....	Michael J. Snee.....	Ohio.....	614/644-2727.....	michael.snee@odh.ohio.gov
Chairperson-Elect	William Irwin, Sc.D., CHP.....	Vermont.....	802/865-7730.....	William.irwin@state.vt.us
Past Chairperson	Joseph G. Klinger.....	Illinois.....	217/785-9868.....	joe.klinger@illinois.gov
Treasurer	Jared Thompson.....	Arkansas	501/661-2173.....	jared.thompson@arkansas.gov
Treasurer-Elect.....	Aaron Gantt.....	South Carolina.....	803/545-4420.....	ganttaa@dhec.sc.gov
Member-at-Large.....	Earl Fordham.....	Washington.....	509/946-0234.....	earl.fordham@doh.wa.gov
Member-at-Large.....	Lisa Bruedigan	Texas.....	512/834-6770.....	lisa.bruedigan@dshs.state.tx.us
Member-at-Large.....	Patrick Mulligan.....	New Jersey.....	609/984-7700.....	Patrick.mulligan@dep.nj.gov

CRCPD Councils

Environmental Nuclear Council	William Irwin, Sc.D., CHP (VT) 802/865-7730 William.irwin@state.vt.us
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.nj.gov
Suggested State Regulations Council	E. Fordham (WA) 509/946-0234 earl.fordham@doh.wa.gov

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

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

Articles should be sent to CRCPD, Attn: 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.

The opinions and statements by contributors to this publication, or attachments hereto, are not necessarily the opinions or positions of CRCPD. The mention of commercial firms, services, or products in the Newsbrief is not to be construed as either an actual or implied endorsement of such firms, services, or products by CRCPD.

This publication is supported in part by a Cooperative Agreement (No. FD-1U18FD00-4840) administered by the Food and Drug Administration.

