



Conference of Radiation Control Program Directors, Inc.

NEWSBRIEF

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A Partnership Dedicated to Radiation Protection

February 2022

Message from Chairperson Angela Leek, CHP

After nearly two years in various stages of the COVID-19 pandemic, 2022 offers true glimmers of hope that we will be able to move toward more normal operations throughout this year. **What normal looks like in our respective organizations after a worldwide pandemic remains to be seen, but I believe we will benefit from some of the lessons learned that have fostered new initiatives in all aspects of our radiation control program duties.** As the restrictions lift and in-person collaborations and conferences begin to resume, our pace here at CRCPD and across our committees has picked up significantly.

We are still planning to hold our annual meeting in May as an in-person event and look forward to seeing many of you there. While things look promising to resume our in-person meetings moving forward, we have started 2022 with a mix of virtual and in-person arrangements. These arrangements are often changed or decided at the last minute, and I appreciate our Office of the Executive Director (OED) staff and our federal and association partners for their flexibility and understanding throughout.



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North American Regional Conference

“I also highlighted the success of the Radiological Operations Support Specialist (ROSS) program efforts to fill radiation subject matter expertise gaps specific to radiological emergency preparedness and response.”

Angela Leek

Collaborations and Conferences

Organization of Agreement States Meeting with USNRC

On February 8, 2022, Patrick Mulligan, Kim Steves, and I, along with the Organization of Agreement States (OAS) chairs, met virtually with the Nuclear Regulatory Commissioner (USNRC) Commissioners and staff. **We had great discussions during the live public session and individually with each commissioner and the management teams.** Topics of most interest were, among many other important topics:

- emergency planning zone discussion relative to small modular reactors (SMRs) and other emerging technologies;
- oversight of emerging fusion technologies and how the Agreement States should fit into the regulatory structure; and
- financial assurance for lower activities of sealed sources.

If you missed the public meeting, it is available at <https://nrc.rev.vbrick.com/#/videos/365265a6-ed0e-4051-950f-1364544fdc50>.

North American Regional Conference

During the week of February 23, 2022, I had the opportunity to attend the North American Regional Conference hosted by the International Radiation Protection Association (IRPA) and the Health Physics Society (HPS) in St. Louis, MO. **I was also invited to share information about our mix of expertise during a larger panel discussion focusing on diversity and inclusion.** Thank you to Ruth for providing photos and historical records to make an interesting presentation of how CRCPD membership has changed over time. I also presented information on the ongoing efforts to address upcoming workforce challenges as we see many of our members reach retirement. **I noted the work that the G-74 Health Physics Work Force Development & Coordination Committee will be focusing on to coordinate and grow our technical workforce across the state Radiation Control Programs (RCPs) and the national materials program overall.** I also highlighted the success of the Radiological Operations Support Specialist (ROSS) program efforts to fill radiation subject matter expertise gaps specific to radiological emergency preparedness and response.

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Message from
Chairperson *(continued)*

Collaborations and Conferences *- continued*

Upcoming Conferences

Meetings like IRPA are important opportunities to collaborate with our partners. We look forward to several upcoming conferences and meetings such as:

- USNRC Regulatory Information Conference;
- American Association of Physicists in Medicine (AAPM) Spring Clinical Meeting;
- National Radiological Emergency Preparedness (NREP) Conference;
- National Council on Radiation Protection (NCRP) meeting and many others.

I encourage you to attend as many of these as you can. Another important part of collaboration is our annual Board meetings with our federal partners. With the ongoing uncertainties of planning in-person meetings, it was decided to arrange for these meetings to be held virtually this year. We look forward to these discussions and hope to have these meetings in-person again in 2023.

Opportunity to Publish in HPS Journal

In our Executive Director's article, you'll also notice that we have a unique opportunity to publish a special HPS Journal issue dedicated to CRCPD and the issues important to us. **We will need authors, so if you've ever wanted to write and public a peer-reviewed journal article, now is the time!**

I'm ending this article with a reminder that CRCPD is strong because of you. We are lucky to have this collaborative community established to help us work through the various challenges that inevitably come our way. Whether we are working through a political, technical, or staffing issue in our individual states or dealing with a global issue such as the pandemic or the evolving issue in Ukraine, we can be assured that we have someone in our community willing and ready to assist us. **For new members, I encourage you to reach out and engage as you learn more about your role in radiation control.** For more experienced members, I challenge you to look for ways to actively network to engage and support other states and newer members. We will need to continue to look for ways to collaborate, and **I look forward to hearing about novel ideas from the G-74 committee and all of you!**

Strength of Community

“We are lucky to have this collaborative community established to help us work through the various challenges that inevitably come our way.”

Angela Leek



Greetings from Your Executive Director



Ruth E. McBurney, CHP

Collaborative Relationships

“...have proved to be beneficial to all of these entities as the number of people with training and experience in radiation protection and control, especially those who can volunteer their time to work on guidance and training for the states, is shrinking.”

Ruth McBurney

More Collaboration: Better Together

Over the last few years, CRCPD has been strengthening its relationships with several agencies and organizations and sharing expertise in radiation protection. This collaborative relationship has proved to be beneficial to all of these entities as the number of people with training and experience in radiation protection and control, especially those who can volunteer their time to work on guidance and training for the states, is shrinking. Other organizations are facing similar workforce issues as well, so the phrase that has become popular during the pandemic, **Better Together**, is very appropriate for the recent increase in partnerships and collaborative activities.

Health Physics Society

We recently were asked to participate in the North American Congress of the International Radiation Protection Association, held in St. Louis, Missouri, February 21-23. Our Chairperson, Angela Leek, made two presentations on behalf of CRCPD, and we also exhibited at the conference.

We have also been asked to participate in a special session at the upcoming Health Physics Society (HPS) meeting this summer on changes under consideration by the International Commission on Radiological Protection's System of Radiological Protection.

CRCPD has recently agreed to provide journal articles for a complete edition of the HPS Journal. We are now seeking articles that would be appropriate for publication in their scientific journal. **If you have material that you or one of our CRCPD committees has worked on and could develop into a journal article, let us know.** We have some time to prepare the articles, but there is no time like the present to get started on ideas!

Department of Energy/NNSA/Office of Nuclear Incident Response

Through a cooperative agreement with National Nuclear Security Administration's (NNSA) Office of Nuclear Incident Response, CRCPD is providing RAPTER training to state radiation control personnel.

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Executive Director

Greetings *(continued)*54th National
Conference

“After two years of meeting virtually, CRCPD is planning to hold an in-person National Conference on Radiation Control in Tucson, AZ.”

Ruth E. McBurney

More Collaboration: Better Together

- continued

Also, under the same agreement, with additional funding provided by FEMA/ Chemical, Biological, Radiological and Nuclear (CBRNE) Office, training and other activities for the Radiological Operations Support Specialist (ROSS) program are provided.

International Atomic Energy Agency (IAEA)

CRCPD is continuing its partnership with the IAEA through a Practical Arrangement. Beginning in 2016, CRCPD entered the arrangement with IAEA to work together on three areas of interest:

- Naturally Occurring Radioactive Material (NORM);
- emerging medical technologies; and
- radon.

This year, we are assisting in the planning of the Tenth International Symposium on Naturally Occurring Radioactive Material (NORM X) to be held in Utrecht, Netherlands, the week of May 9, 2022.

Also, Miroslav Pinak, our primary contact for the Practical Arrangement, will be participating in our Annual Conference the following week in Tucson, AZ.

National Conference on Radiation Control

After two years of meeting virtually, CRCPD is planning to hold an in-person National Conference on Radiation Control in Tucson, AZ. It will bring together many of our partners to discuss areas in radiation protection that we are working together to address. In fact, the theme of this year’s conference ties all this together: ***The Future of Radiation Protection—Better Together!*** More information is available in a separate article in this *Newsbrief* edition. I hope you will make plans to attend.

CRCPD is known as ***A Partnership Dedicated to Radiation Protection.*** We are continuing to keep the great partnerships we have made and to develop new ones on the horizon.

I hope to see you soon in person!



54th National Conference on Radiation Control

The Conference of Radiation Control Program Directors invites you to join us for our 54th National Conference on Radiation Control in Tucson, Arizona, May 16 – 19, 2022.

It's an exciting time of year and especially this year as we get to meet again in person!

Find the official Announcement and Invitation which includes the tentative agenda, registration, and hotel information for Westin La Paloma Resort at

<https://www.crcpd.org/events/EventDetails.aspx?id=1476937>

If making your reservations by phone, we ask that you use our name CRCPD 54th NATIONAL CONFERENCE ON RADIATION CONTROL, so you will be included in our room block to help us meet our room commitment.

Registration is now open!

We hope to see you in Tucson, Arizona!



Call for Social Media Content

The CRCPD G-73 Committee on Communication and Outreach is dedicated to the task of posting pertinent content regularly to social media, utilizing a subcommittee of members and advisors from G-73 to lead the effort.

The G-73 Committee is seeking submissions of content to post on the CRCPD social media accounts. This is an opportunity for you to show CRCPD membership what's going on in your program/state/region.

Please forward articles of interest to Sandra Anible, Committee Chair, at Sandra.Anible@dhs.wisconsin.gov (total message size up to 15MB, attachments included).

- **Acceptable subject matter can be anything pertinent to CRCPD's interests, for example: radiological emergency response, radioactive materials, radon, industrial radiography, x-ray, radiation education, etc.**
- **Articles should be freely accessible to the public without requiring a subscription, login, or other usage fee.**
- **Graphic elements, including original photography, while not required, should also fall under free usage.**
- **All content submitted is subject to approval by CRCPD Office of the Executive Director (OED) and the G-73 committee members and advisors.**
- **Please indicate if there is a preferred week for posting and be aware that CRCPD will require at least two weeks for review.**
- **Approved original articles will appear on CRCPD's website; links to these articles will appear on CRCPD's social media accounts. Authors of original articles must cite sources.**



Gonadal Shielding Survey

CRCPD recently partnered with the American College of Radiology (ACR) to survey individual state regulatory programs adopting the new gonadal shielding guidelines. The National Council on Radiation Protection and Measurements issued *Statement 13: NCRP Recommendations for Ending Routine Gonadal Shielding during Abdominal and Pelvic Radiology*, in January 2021, outlining the new recommendations for gonadal shielding <https://ncrponline.org/publications/statements/>.

The survey included seven questions on whether or not the state has or will adopt the new shielding guidelines, along with inquiries related to the process they undertake to make any changes. With the help of Dustin Gress and Eugenia Brandt from ACR, CRCPD obtained results from 42 states.

Result by State

AK	MT
AL	NC
AR	ND
AZ	NE
CA	NH
CO	NJ
CT	NM
DC	NV
DE	NY
FL	OH
GA	OK
HI	OR
IA	PA
ID	RI
IL	SC
IN	SD
KS	TN
KY	TX
LA	UT
MA	VA
MD	VT
ME	WA
MI	WI
MN	WV
MO	WY
MS	

Summary of Findings

Ten states allow adherence to new guidance on patient and gonadal shielding through interim policy exception while considering rule or regulatory change.

Seven states allow adherence to new guidance on patient and gonadal shielding through previous rules or regulations, including "escape clause" language, e.g., "...as long as shielding won't adversely affect the exam."

Seven states allow adherence to new guidance on patient and gonadal shielding through rule or regulatory change.

Twelve states do not allow adherence to new guidance on patient and gonadal shielding and are not considering a change.

Two states plan to allow adherence to new guidance on patient and gonadal shielding through rule or regulatory change.

Five states have rules or regulations on patient and gonadal shielding that are currently or imminently being reviewed.

This information is current as of 11/17/2021.

Allows adherence to new guidance on patient & gonadal shielding through rule or regulatory change.

Allows adherence to new guidance on patient & gonadal shielding through interim policy exception while considering rule or regulatory change.

Allows adherence to new guidance on patient & gonadal shielding through previous rules or regulations, including "escape clause" language, e.g., "...as long as shielding won't adversely affect the exam."

Planning to allow adherence to new guidance on patient & gonadal shielding through rule or regulatory change.

Rules or regulations on patient & gonadal shielding are currently or imminently being reviewed.

Does not allow adherence to new guidance on patient & gonadal shielding, and not considering a change.

No information available.



TSUSG Update

Transport Security Unified Stakeholders Group (TSUSG)

Update of Activities

by Mark Yeager, Government and NGO Liaison, and Paul Gray, Industry and Association Liaison, Oak Ridge National Laboratory

Since our introduction in the CRCPD *Newsbrief*, February 2021 issue, the TSUSG has made significant progress with the excellent support of our membership, which includes all functional groups involved with the transport of Category 1 and Category 2 sources containing Co-60, Cs-137, Ir-192, and Am-241.

Our members include state and federal regulators, state and federal Homeland Security/Emergency Response assets, state law enforcement, carriers, forwarders, source and equipment producers, and associations having a vested interest. This membership has been collaborating through various priority committees to address issues related to ensuring the security of these sources during transport from the point of origin to the point of receipt in accordance with 10 CFR, Part 37, requirements.

These issues are identified and segregated by importance during annual TSUSG meetings involving the entire membership and are then delegated to priority committee volunteers from each functional group to be addressed, normally over the course of many months, with many committee meetings, internal and external discussions, and integration with subject matter experts as needed. **The end results of the priority committee work for each issue are identification of best practices currently being used, definition of areas requiring improvement or clarification, including thoughts on paths forward, as well as provision of short-and long-term mutual assistance and understanding of each member's role and responsibilities.**

The priorities and issues currently being addressed include transport security plans, escort activities, communications, security incident response, training, insider threat mitigation, and creating a sustainable security culture. These are all topics that currently have increased relevance for all functional groups domestically. In addition, as the

Transport Security Unified Stakeholders Group (TSUSG)

Update of Activities - *continued*

TSUSG Update

work of one priority committee comes to a close, other new priority committees are established to deal with additional issues. **Three new priority committees have been identified, and the first of these will soon be calling for voluntary members.**

We have enjoyed excellent support from CRCPD members. Karen Beckley (NV), John Williamson (FL), and Bernie Beville (AR) are coordinators for three of our priority committees, while Kelly Horn (IL) continues to be an active, contributing member in multiple priority committees. Sherrie Flaherty (MN) has recently joined TSUSG as liaison to the Organization of Agreement States Board. **In addition to establishing a TSUSG website, we also have upcoming quarterly meetings in March (real-time shipment tracking) and June (FBI workshop), which should be of great interest to state radioactive material program personnel who license medical and industrial irradiator facilities and those licensees that routinely use mobile sources.**

These meetings are open to CRCPD members, upon request, and as guests of TSUSG. If interested, you can join TSUSG and participate in our transport security initiative. Visit our website at <https://tsusg.ornl.gov/>.

For more information, contact:

Mark Yeager
Government & NGO Liaison
Oak Ridge National Laboratory
yeagerma@ornl.gov

Paul Gray
Industry and Association Liaison,
Oak Ridge National Laboratory
graypa@ornl.gov



Appalachian States Low-Level Radioactive Waste Compact Commission Meeting

By David J. Allard, CHP (PA)



The Appalachian States Low-Level Radioactive Waste Compact Commission (ACC or Commission) held its annual meeting in Harrisburg, PA on November 5, 2021. Information can be found online at –

<https://www.dep.pa.gov/Business/RadiationProtection/Appalachian/Pages/default.aspx> and <https://www.dep.pa.gov/Business/RadiationProtection/Appalachian/Pages/Meetings-and-Bylaws.aspx>

The General Assembly of the Commonwealth of Pennsylvania created the Commission by enacting the Appalachian States Low-Level Radioactive Waste Compact Act, Act 1985-120. The Commonwealth and states of Delaware, Maryland, and West Virginia each passed identical laws to form a compact to provide for the regional management and disposal of low-level radioactive waste (LLRW) in response to the federal law. This interstate Commission was approved by Congress. In that Pennsylvania was (and still is) the largest generator of LLRW, it was determined PA would be the “host state” for a LLRW disposal site, and annual meetings of the Commission would be held in PA. Given no local communities supported the siting endeavors in the ‘90s, and there was continued access out of state for LLRW disposal, the effort was suspended in the fall of 1998.

Despite the reduced workload by staff for development of a disposal site, the PA Department of Environmental Protection (DEP) Bureau of Radiation Protection (BRP) continued to manage the Commission and its assets over the years, coordinated annual fiscal audits, tracked LLRW disposal, publish required reports, and hosted annual meetings. Because of pandemic travel restrictions in 2020, the Commission had to meet in Baltimore, MD that fall. This year the annual meeting was back at the traditional location in Harrisburg. It was a hybrid meeting with many state representatives attending in person, and others attending virtually.

Business items included approval of the agenda for this year’s meeting, review and approval of the previous meeting minutes, and amending the Bylaws to allow for fully virtual annual meetings if needed. The Bylaws had a provision that required four members to “be physically present in a publicly announce meeting place.” Other presentations involved an update on out-of-state LLRW disposal sites, a review of LLRW disposal volume and activity trends from the Compact states, a look-back and removal of several years of TENORM waste data that had been tallied as LLRW, discussion of using interest revenue from 1990s surcharge fees of operations, and review of the audit and budget. In reviewing the LLRW generator data this year, it was discovered that a significant volume of Oil & Gas related TENORM waste was shipped to licensed disposal sites in UT and TX, and was reported to the DOE Manifest Information Management System (MIMS) tracking database as LLRW. The ACC does not consider unlicensed TENORM to be LLRW. A re-analysis of the data by DEP staff is shown on the following page in table and graphic form. Interestingly, the volume of TENORM waste disposed of in CY2020 exceeded that of LLRW.

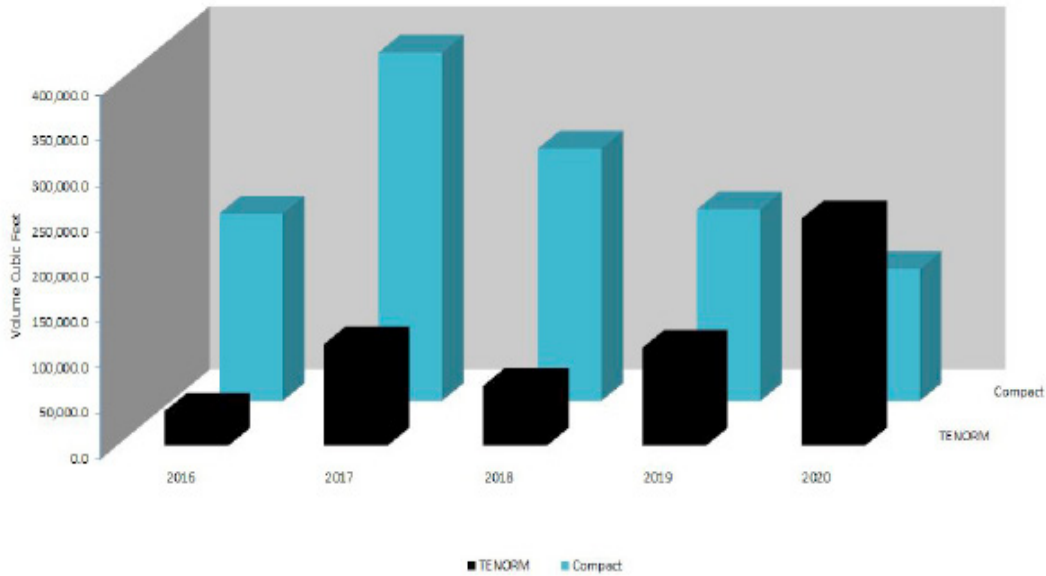
The Commission also informed the US DOE in March 2021, that they would be utilizing the interest from approximately \$1.65M of surcharge funds for operational needs. Those funds are being held in reserve for restart of the siting process [if needed]. The last order of business was election of Chair and Vice-chair for the next 12 months. BRP Director Allard was re-elected Chairman, and Kaley Laleker (MD) was elected Vice-chair. The Commission greatly appreciates the efforts of Rich Janati in his continued role as Administrator over the years, as well as the support from various BRP staff. Rich retired from BRP in July 2020 after an outstanding 35 year career as Division Chief for Nuclear Safety. Thank you Rich!

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Appalachian States Low-Level Radioactive Waste Compact Commission Meeting

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Disposed Compact LLRW and TENORM by Volume 2016 - 2020



* Waste data is given with TENORM waste that was included in the Compact. This chart separates waste that is considered TENORM and compares the values to the rest of the waste generated within the Compact.

Years	TENORM		LLRW	
	Volume (ft³)	Activity (Ci)	Volume (ft³)	Activity (Ci)
2016	38400	0.9123	206649	2229
2017	112032	2.73	383856	1890
2018	66048	1.88	278136	42153
2019	108096	2.86	211271	907
2020	250344	3.50	145545	1213
Total	574,920	12.0	1,225,457	48,392

This table separates waste that is considered TENORM and compares the values to the rest of the waste generated within the Compact. It compares both volume and activity.



In Memoriam**Roland G. Fletcher**

Roland George Fletcher, retired Director of the Maryland Radiation Control Program, age 78, of Randallstown, MD, passed away on January 8, 2022. Mr. Fletcher was born June 9, 1943, in Baltimore, MD. As a retired Army Lieutenant Colonel, being Manager of the Maryland Radiation Regulatory Program

was a perfect fit for Fletcher. After receiving his Master's Degree in Organic Chemistry from Pennsylvania State University, he acquired theoretical and practical experience in radiation effects. Fletcher honed his skills in detecting and identifying radiation sources from military live source instrument training while in the U.S. Army Chemical Corps. As an Assistant Inspector General, he determined the readiness of troop units in their ability to use chemical and radiological detection and protection equipment, so he was well prepared for providing expertise in the event of a radiological emergency.

Roland was very proud of the program and in particular, of his staff. In an article written about the Maryland radiation control program in the Maryland Department of the Environment's newsletter in 2007, Roland was quoted as follows: "The staff are people who are well known in the field, even before they came on board with MDE, said Fletcher. "They are experts in what they do. I have the best staff anyone can ask for in the Department. We are completing work that other states require double this staff to accomplish – and they are diligent in their follow-through. I encourage managers and supervisors to develop their careers and guide them with consistent professional development. There's a feeling of accomplishment in this field – that you are really contributing and protecting people. We are often anonymous – people don't want to know all that we do. But we've accomplished a great deal - they enjoy their jobs and aspire to continue doing it."

Roland served as Chairperson of the CRCPD in the 1994-95 Conference year, and in 2004, he received the Gerald S. Parker Award, an honor that recognizes excellence in radiation regulation.

He is survived by his wife of nearly 60 years, Yvonne, who grew up across the street from him in Northeast Baltimore, two daughters, and several grandchildren.



Call for News

Call for News

Would you like to share some information about your work, or some project or issue that you're involved in?

CRCPD is interested in what you are doing and would like to share your knowledge and experiences with other CRCPD members through a feature article in the ***Newsbrief***.

If you would like to submit an article, please contact Ruth McBurney (rmcburney@crcpd.org) suggesting a topic you'd like to present.

The ***Newsbrief*** is published six times a year, in even numbered months. Deadline for submission is the 15th of the month of publication.

We welcome your news and photographs, too, if you'd like to share.

Directory Information

The Directory of Personnel Responsible for Radiological Health Programs is available online for members and our federal partners and is updated regularly. Visit www.crcpd.org



CRCPD Board of Directors

Chairperson.....Angela Leek.....Iowa.....515/281-3478.....angela.leek@idph.iowa.gov
 Past Chairperson.....Kimberly Steves.....Kansas.....785/296-4359.....kim.steves@ks.gov
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 Treasurer.....Lisa Bruedigan.....Texas..... 512/834-6629..... lisa.bruedigan@dshs.texas.gov
 Member at Large.....Karen Tuccillo.....New Jersey609/984-7443.....karen.tuccillo@dep.nj.gov
 Member at LargeMichael SneeOhio.....614/644-2732.....michael.snee@odh.ohio.gov
 Member at Large.....Tanya Ridgle.....LA County, CA.....213/351-7385.....tanya.ridgle@cdph.ca.gov

CRCPD Councils

Environmental Nuclear Council	Karen Tuccillo (NJ) 609/984-7443 karen.tuccillo@dep.nj.gov
General Council and Liaisons	Patrick Mulligan. (NJ) 609/984-5520 patrick.mulligan@dep.nj.gov
Healing Arts Council	Lisa Bruedigan (TX) 512/834-6629 lisa.bruedigan@dshs.texas.gov
Homeland Security/Emergency Response Council	Tanya Ridgle (LA County, CA) 213/351-7385 tanya.ridgle@cdph.ca.gov
Suggested State Regulations Council	Michael Snee (OH) 614/644-2732 michael.snee@odh.ohio.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: Mandy Cremeans, 112 East Main Street, Suite 1, Frankfort, KY 40601 (fax: 502/227-7862; email: mcremeans@crcpd.org. The deadline for contributions is the 15th of the month before an issue is to be published.

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