



Conference of Radiation Control Program Directors, Inc.

# NEWSBRIEF

[www.crcpd.org](http://www.crcpd.org)

A Partnership Dedicated to Radiation Protection

February 2016

## Message from Chairperson William Irwin, Sc.D., CHP



Spring is coming, and with it two critically important CRCPD events – the Annual Meeting and the election of new Board members. **I hope many of you attend the Annual Meeting, and I hope all of you who are eligible vote for our new Board members.**

The people nominated for the Board are exceptional, and I know the CRCPD will remain in good hands as a new Board comes on. With the election, Mike Snee and Pat Mulligan are leaving the Board. I have enjoyed working with and learning from them over their terms on the Board. **Looking at the work of these two members allows us to see what individuals can accomplish as part of a dynamic team.**

Prior to serving as Chair last year, where he directed all of the CRCPD Councils with clear guidance and a steady hand, Mike led the Environmental Nuclear Council (ENC) as Chair-Elect. As ENC Chair, Mike helped deliver the influential E-42 Task Force Report: *Review of TENORM in the Oil and Gas Industry*. Also under Mike’s leadership of the ENC, the E-43 Committee on Interagency Environmental Data Sharing and Communication helped usher in the RadResponder tool for emergency field team data reporting. RadResponder is now used by 985 organizations with 3,524 responders, ensuring that the states will be able to promptly report on the radiological impacts of a foreign or domestic environmental contamination event.

### Inside

Message from Chairperson .....	1
Greetings from Your Executive Director .....	4
48th National Conference on Radiation Control .....	6
H- 4 CRCPD Committee on NEXT .....	14
H-45 Task Force on Electronically Generated Low Energy Sources .....	15
Image Gently Alliance Meeting at RSNA.....	16
2016 Summit on Environmental Hazards and Health Effects .....	18
CRCPD Welcomes New CRCPD Members .....	19
2016 Directory .....	20
Changes for Directory of Personnel .....	21
CRCPD Board of Directors .....	22
CRCPD Councils.....	22

[www.crcpd.org](http://www.crcpd.org)



## Message from Chairperson *(continued)*

### Contributions

***“The Board provides leadership, but it is the collection of volunteers who fill the ranks of our Working Groups that create, manage and improve highly valuable products!”***

**William Irwin**

Now, Mike serves as a sort of “elder statesman” as this year’s Past Chair. In this capacity, Mike led the Program Committee which created the great agenda for this year’s Annual Meeting, and he led the Nominating Committee which provided us the slate of candidates who will lead our great organization in the future.

Pat Mulligan has chaired our Homeland Security and Emergency Response (HS/ER) Council, and **carried on the great work of his predecessors, enriching it with his own intelligent leadership and generous support.**

- On behalf of the HS/ER Council, Pat has provided the Board with thoughtful comments to submit to the Federal Emergency Management Agency on changes to NUREG 0654, *Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.*
- Also on behalf of the HS/ER Council, he provided authoritative technical comments for the emergency management questions in the Nuclear Regulatory Commission’s Advance Notice of Proposed Rulemaking on reactor decommissioning.
- Under his leadership, the HS/ER Council Working Groups have sustained and strengthened numerous ongoing programs:
  - \* our work with the Centers for Disease Control and Prevention providing grants to state and local organizations who establish or strengthen Radiation Response Volunteer Corps;
  - \* continuous engagement with the Advisory Team for Environment, Food and Health;
  - \* development and dissemination of public messages following a radiological or nuclear emergency; and
  - \* providing evaluators and Radiological Operations Support Specialists (ROSS) to National Level and Radiological Emergency Preparedness Exercises.

That last bullets about Working Groups are important to build upon:

The Board provides leadership, but it is the collection of volunteers who fill the ranks of our Working Groups that create, manage and improve highly valuable products!

→

## Message from Chairperson *(continued)*

### Benefits

*“You and your agency will greatly benefit from hearing about all of the work of our Working Groups and colleagues around the world.”*

William Irwin

The Working Groups of all of the Councils (the others are the General and Liaison, Healing Arts and Suggested State Regulations Councils) are also where we build future CRCPD leaders. **Not only do these leaders keep growing the value of the CRCPD, but they usually become important parts of other critical national and international radiation protection efforts.**

That leads me to the other great promise of spring – our Annual Meeting. This conference of state and local radiation control programs and our partners from federal and international agencies and professional organizations highlights the great work which we help progress. For all of you who have attended before, you know the Annual Meeting is one of the most valuable investments of time you can find for those engaged in Radiation Control Program work. **For those of you who have not yet attended, I hope you can find a way to do so.** You and your agency will greatly benefit from hearing about all of the work of our Working Groups and colleagues around the world.

There are many ways you can work with your management to help justify attendance. One way to get to the Annual Meeting is by being on a Working Group that meets there. Another is to present a paper about your work. Some people are able to attend because of the Mammography Quality Standards Act (MQSA), American Association of Physicists in Medicine (AAPM) and other training provided before and during the conference. Take a look at the agenda for this year’s Annual Meeting in beautiful Lexington, Kentucky, shown in this issue of the *Newsbrief*. As has been the case for me every year, **all of the knowledge you obtain from the presentations and discussions with your counterparts will help improve your program when you get home.**



## Greetings from Your Executive Director



Ruth E. McBurney, CHP

### An Era of Change

*“Our radiation protection community, as well as the rest of the world, is changing ever faster these days, and keeping up with those changes and new challenges can be a daunting task.”*

Ruth E. McBurney

### Quality Radiation Protection Programs in an Era of Change

This year’s National Conference on Radiation Control in May will have as its theme **“Maintaining Quality Radiation Protection Programs in an Era of Change.”** Our radiation protection community, as well as the rest of the world, is changing ever faster these days, and keeping up with those changes and new challenges can be a daunting task.

Changes are happening in the workforce in states and the federal agencies, seemingly even at a more rapid pace than in the past. **As a result, radiation protection workers are given more scope of responsibility, with fewer subject matter experts as mentors.** Training for staff is an important need in maintaining quality programs.

New medical technologies, issues with technologically enhanced radioactive material (TENORM), source security, and changes in the types of radiological incidents we must plan for and how we plan for them, and funding for important issues such as radon risk reduction, all provide major challenges. **For CRCPD, this means using these issues as opportunities to engage in more collaborative efforts with other organizations.** In addition to our ongoing liaisons with a number of organizations for developing guidance for the states [such as our ongoing work with the American College of Radiology (ACR), American Association of Physicists in Medicine (AAPM) and American Society for Radiation Oncology (ASTRO) on healing arts issues], new collaborations are proving to be successful in addressing the needs of state radiation control programs. These include issues in the following areas.

#### TENORM

The National Council on Radiation Protection and Measurements (NCRP has established a committee to work on issues involving TENORM to provide a scientific basis for future suggested regulations.)

Three of the people assigned to the committee are from CRCPD. **As you may recall, one of the recommendations from the CRCPD E-42 Report was to partner with NCRP on several of the scientific issues involved, including the establishment of action levels.** The recent workshop on TENORM at the Health Physics Society Midyear Meeting was very well attended and brought several new ideas to the committee to start its work on a commentary.

→

## Executive Director

Greetings *(continued)*

## Collaboration

***“By working together cooperatively, we will be able to accomplish even more to address the needs of the states and the nation as a whole.”***

Ruth E. McBurney

## Quality Radiation Protection Programs in an Era of Change -

*continued*

**Homeland Security and Emergency Response**

The National Alliance for Radiation Readiness, in collaboration with a number of radiation control, emergency response and public health organizations has provided a mechanism to work on several radiological response projects. The Radiation Operations Support Specialist (ROSS) program, in conjunction with the Department of Energy and the Department of Homeland Security, is providing states with subject matter experts that can provide effective assistance for radiation emergencies. CRCPD is continuing to provide ROSS personnel for several national emergency exercises. The Radiation Response Volunteer program has been in effect for several years and has produced many “best practices” and tools that will be useful to states in establishing population monitoring at community reception centers and other locations and in recruiting and training volunteer radiation professionals to assist. Soon, CRCPD will post a Population Monitoring Toolkit on its website that will be available to all.

**Radon**

The National Radon Action Plan has brought together several national organizations and agencies, including CRCPD, to develop strategies for working together to reduce radon in homes and workplaces.

**In addition to the areas of collaboration noted in this article, we are continuing to seek new partners for addressing radiation protection issues.** By working together cooperatively, we will be able to accomplish even more to address the needs of the states and the nation as a whole.

I encourage all of you to come to the National Conference on Radiation Control where we will be discussing more ways to maintain quality radiation protection programs in this era of change. Check the website for details at <http://www.crcpd.org/2016AnnualMeeting/>.

***Hope to see you in Lexington!***



# MAINTAINING QUALITY RADIATION PROTECTION PROGRAMS IN AN ERA OF CHANGE

**48th National Conference on Radiation Control**  
*Hyatt Regency Lexington*  
*401 West High Street*  
*Lexington, Kentucky*  
*May 16 – 19, 2016*

## ONLINE REGISTRATION

<https://crcpd.portal.daxko.com>

## ARRANGEMENTS

**Lodging and Reservations: Hyatt Regency Lexington, Kentucky**

**Rates: \$102 single/double plus 13.42% sales tax per room per night**  
**Cut-off date: April 19, 2016**

**Room block: in the name of “CRCPD”**

**Call: 1/800/233-1234 or the hotel directly at 1/859-253-1234**

**Book on-line: <https://resweb.passkey.com/go/conferenceonradiation>**

**If calling the hotel to make your reservations please indicate that you are part of the CRCPD. You may guarantee your reservation with either a credit card or one night's deposit. If you need to cancel your reservation, you must call and cancel within 24 hours of your arrival date or your deposit will be forfeited/credit card charged.**

**NOTE: Guaranteed reservations are held for one night only –  
not for the entire stay.**

***We hope you make plans to join us in Lexington  
for the 48th National Conference on Radiation Control.***

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

## MONDAY

### OPENING SESSION

### TOPICAL TRAINING SESSIONS

#### Opening Session - Morning

*John C. Villforth Lecturer Series  
presented by Fred A. Mettler, Jr., MD, MPH,  
University of New Mexico School of Medicine,  
Albuquerque, New Mexico*

#### Topical Training Sessions - Afternoon

*Imaging in Radiation Therapy  
presented by American Association of Physicists in Medicine (AAPM)*

*The First 100 Minutes After an RDD  
and Radiation Emergency Dosimetry  
presented by Brooke Buddemeier (DOE)  
William Irwin (VT)  
Adela Salame-Alfie (CDC)*

**TUESDAY**

**HEALING ARTS DAY**

*Presentations from*

*International Atomic Energy Agency (IAEA)*

*Food and Drug Administration (FDA)*

*American College of Radiology (ACR)*

*American Society for Radiation Oncology (ASTRO)*

*American Association of Physicists in Medicine (AAPM)*

*Society of Nuclear Medicine and Molecular Imaging (SNMMI)*

*CRCPD Working Groups*



**WEDNESDAY****RADIOACTIVE MATERIALS SESSION****RADIOACTIVE MATERIALS/SOURCE  
SECURITY SESSION****Radioactive Materials Session - Morning**

*presentations from*

*International Atomic Energy Agency*

*Department of Energy*

*NRC*

*CRCPD Working Groups*

**Radioactive Materials/Source Security Session - Afternoon**

*presentations on*

*Source disposal*

*Part 61*

*40 CFR 190 and 192*

*REAC/TS*

*NUREG-0654*

**THURSDAY**

**HOMELAND SECURITY  
EMERGENCY RESPONSE  
CLOSING SESSION**

**presentations on**

*Lab Capability*

*Southern Exposure/ROSS*

*Radiation Decontamination Application*

## TRAINING

**FRIDAY, MAY 13 &  
SATURDAY, MAY 14**

### **Mammography Continuing Education**

**Friday, May 13 and Saturday, May 14, 2016**

*CRCPD will be offering a mammography continuing education program for MQSA inspectors and other interested in mammography continuing education. This program was planned by the CRCPD H-11 Committee on Mammography. The program will be submitted to the American Society of Radiologic Technologists for continuing education credits.*

## TRAINING SUNDAY, MAY 15

### ROSS RADIOLOGICAL OPERATIONS SUPPORT SPECIALIST TRAINING CURRICULUM

#### UNDERSTANDING CT

##### ROSS 101

##### The First Installment of the Radiological Operations Support Specialist Training Curriculum

*During radiological and nuclear emergencies, routine decisions and operations for state and local response agencies become increasingly complex. These actions require radiation experts to safeguard the public and responders. Through the creation of a new position called the Radiological Operations Support Specialist (ROSS), the Departments of Homeland Security (DHS) and Energy (DOE) want to train, equip, and certify radiation experts to integrate with the incident command system during a radiological response. These ROSS positions will directly support the incident commander, agency decision makers, and elected officials.*

*This training will cover the key resources and tools used by ROSS during an emergency. Those interested in taking this class should be familiar with the incident command system and NIMS (i.e., ICS-100, ICS-200, IS-700, IS-800) and key national response references such as the National Response Framework's Nuclear/Radiological Incident Annex, Planning Guidance for Response to a Nuclear Detonation (2010), and the EPA PAG Manual. Training will consist of both instruction and group activities to help develop skills that will be needed in a radiological emergency by the ROSS.*

##### Understanding CT

*presented by the American Association of Physicists in Medicine*

## **SPECIAL INTEREST MEETINGS**

**TUESDAY, MAY 17  
WEDNESDAY, MAY 18**

## **SOCIAL EVENTS MONDAY & WEDNESDAY**

### **Special Interest Meetings**

*Dates and times reserved for Special Interest Meetings:*

*Tuesday, May 17, 5:00 p.m. – 6:00 p.m.*

*Wednesday, May 18, 8:00 a.m. – 9:00 a.m.*

*To schedule a “Special Interest Meeting” prior to the conference or on-site, contact Sue Smith.*

*“Special Interest Meetings” will be announced during the General Session and posted on the CRCPD message boards, and flyers will be placed outside the General Session meeting room.*

### **Social Events**

*CRCPD Chairperson’s Reception: Monday evening, May 16th, at the Hyatt Regency Lexington Hotel/Lexington Center*

*Night Out: Kentucky Horse Park on Wednesday evening, May 18th*

## H- 4 CRCPD Committee on the National Evaluation of X-Ray Trends (NEXT)

**Highlighting  
H-4 Committee  
on NEXT**

*The NEX T Committee is of CRCPD's oldest committees. Over the years, the NEX T Committee has conducted many studies and provided valuable exposure information for the public. The Nationwide Evaluation of X-ray Trends (NEX T) survey program selects a particular radiological examination for study and captures radiation exposure data from a nationally representative sample of clinical facilities in the United States.*

*From 1973 to 1983 the NEX T program annually surveyed facilities performing twelve common diagnostic x-ray examinations. Now the NEX T committee does a more extensive study of a single exam every few years. The most recently published NEX T studies were on CT and Cardiac Catherization.*

*In 2014-2015, the NEX T Committee has been working on collecting data in our latest Dental study. The committee is currently working on analyzing that data and working on the final report. The committee is also looking forward to choosing and planning the next NEX T study. If you would like to be involved in working with the NEX T Committee, please let Sue Smith know at [ssmith@crcpd.org](mailto:ssmith@crcpd.org).*



## H-45 Task Force on Electronically Generated Low Energy Sources for Skin Radiation Therapy or ELS Therapy

### *News from H-45 Task Force*

H-45 Task Force on Electronically Generated Low Energy Sources for Skin Radiation Therapy or ELS Therapy is currently involved in efforts to:

- learn about and fully understand this new technology and how it is being used;
- provide guidance to states on key items to be considered during the technical review prior to authorization of use of an ELS device;
- provide inspection guidance; and
- provide guidance to be considered in the next update for Suggested State Regulations (SSR) Part X.

H-45 welcomes additional advisors to provide insight from their state's perspective and provide input on this project.

For more information, contact:

Lisa R. Bruedigan, R.T. (R)(M), RDMS

Manager, X-Ray Group North

Texas Department of State Health Services

Mail Code 1986, P. O. Box 149347

Austin, Texas 78714-9347

Office phone: 512-834-6770 ext. 2701

Fax: 512-834-6622



## Image Gently Alliance Meeting at RSNA, November 30, 2015

By Mary Ann Spohrer (IL)

### Image Gently

Once again the **Image Gently** Alliance held an annual meeting at the Radiological Society of North America (RSNA). This year's meeting was led by Donald Frush, MD, who has taken over as the Alliance Chair since the retirement of longtime Chair Marilyn Goske, MD. This year's meeting provided a quick update on

the year's activities and explained what efforts would be carried out in 2016. **Doctor Frush quoted a recent statistic appearing in an August Radiology journal article that said 1 in 300 children who get CT scan of the abdomen, chest or spine will eventually develop a tumor as a result of the radiation.** This statement continues to show the unbalanced media content that still exists and further indicates that the Alliance is still needed so that the correct explanation/information can get out to the public – both laymen as well as the medical community. **In this regard the Alliance functions as an “assurance” organization.**

As many know, **Image Gently** has rolled out a number of big campaigns over recent years that provide extensive knowledge for both healthcare professionals, patients and the general public. **The most recent campaign has focused on Dental which was rolled out in 2014 and had the 3rd highest number of hits of all of the campaign launches.** Information on all the previous campaigns can be found on the **Image Gently** website [www.imagegently.org](http://www.imagegently.org). During the next couple of years the Alliance will be focusing more on “mini campaigns.” The idea behind this is that there is lot of information already on the website regarding a number of topics and in some cases has been there for a while. **The concept of a “mini campaign” will focus on a particular topic of interest and provide an informational update and address any needed changes.** The larger focused areas include:

- Computed Tomography (CT);
- Interventional Fluoroscopy;
- General Fluoroscopy;
- General Radiology;
- Nuclear Medicine; and
- Dentistry.

→



## Image Gently Alliance Meeting at RSNA, November 30, 2015 -

*continued*

### Image Gently

New areas that will be addressed include Cardiology and Head Trauma as they apply to the pediatric community. The Alliance has asked that if anyone has any ideas or suggestions for future mini campaigns that they send an email with their thoughts.

**The final area that was discussed included some ideas for the future direction of the Alliance.** It was noted that 40 of the 100 organizations involved with Image Gently are international. International programs include Euro Safe, Afro Safe, Japan Safe, Latin Safe, and Canada Safe and of course the US programs are **Image Gently** and **Image Wisely**. There was some discussion about combining both **Image Gently** and **Image Wisely** into one group and possibly calling it "Ameri Safe". At this point these were just ideas that were presented and more work to gain support is needed. Many feel that **Image Gently** has been so successful and losing that "logo" would be detrimental to the efforts that have been made.

For more information or to make suggestions, contact:

Mary Ann Spohrer, Manager of Electronic Products

Bureau of Radiation Safety Illinois Emergency Management Agency

P: 217-524-3504

E: [maryann.spohrer@illinois.gov](mailto:maryann.spohrer@illinois.gov)



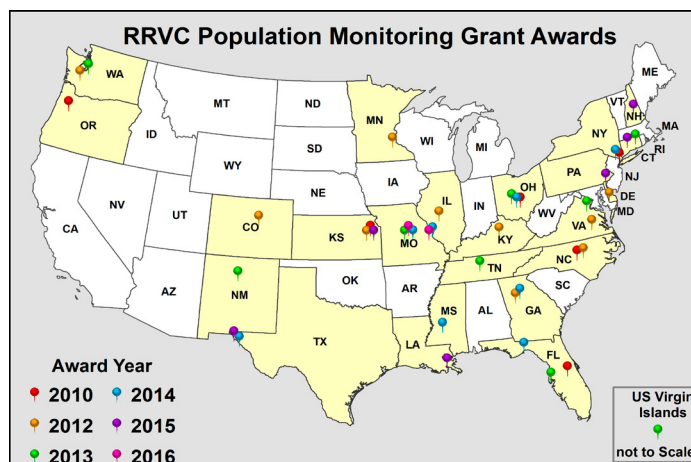
## Summit Presentation: RRVC

The conference examined linkages between programs that are in place to track and promote health and prevent disease, specifically how radiation fits into the mix.

### 2016 Summit on Environmental Hazards and Health Effects (EHHE), January 26-29, 2016

By M. Isabelle Busenitz

Isabelle Busenitz, Chairperson of the HS/ER-10 Task Force for Volunteer Development, attended the EHHE conference as an invited speaker. She provided federal partners and state colleagues an overview of the Radiation Response Volunteer Corps program. For the past five years, HS/ER-10 members have been evaluating and recommending proposals received from across the nation. This is the last year of the grant from the Centers for Disease Control and Prevention (CDC) and the final grant proposals are in the process of being evaluated. Below is a map of the grants that have been awarded by the Conference of Radiation Control Program Directors (CRCPD) as a pass-through from CDC.



This conference was unique in that the scope covered a broad variety of topics including:

- climate and health;
- health studies;
- air pollution and respiratory health;
- radiation studies; and
- tracking.

The conference examined linkages between programs that are in place to track and promote health and prevent disease, specifically how radiation fits into the mix. The conference was extremely well organized and included excellent guest speakers including Dr. Howard Koh, who previously held the position of Assistant Secretary for Health and Human Service (HHS). Staff from the CDC Radiation Studies Branch were present as hosts, speakers, and moderators during the conference.



January &  
February

## CRCPD Welcomes New Members

### *Director Members*

W. Gene Phillips (OH)

Bryan Riche (LA)

### *Associate Members*

Nada Akbar (NJ)

Rachel Collevchio (NJ)

Jerry Collins (NY)

Charles Cox (MD)

Anatasios Deligiannis (IL)

Rebecca Fugitt (OH)

Phillip Ray Gibson (NC)

Thomas Harhay (NJ)

Hillary Haskins (OR)

Mary Lazarides (NJ)

Nichole Leuthold (TN)

Melinda Lewis (IL)

Holly Morse (TN)

Virginia Ostrander (TN)

Julie K. Sejour (TN)

Glenda Villamar (OR)

Carrie N. Willis (X)

### *Affiliate Members*

Geneva Jones (IN)

Dong Wook Kim (South Korea)



## 2016 Directory of Personnel Responsible for Radiological Health Programs

### 2016 Directory

The 2016 directories have been mailed to the CRCPD members. If you want any extra copies, they can be ordered from the Office of the Executive Director for \$55.00 each. You may purchase the 2016 directory hard copy or CD at the same price.

To purchase your copy please go to our website at [www.crcpd.org](http://www.crcpd.org).



*Changes for Directory of Personnel  
Responsible for Radiological Health Programs*

Page 20

CT – insert phone number following “office hours”: 860/424-3029.

February

Page 69

OH – remove Mark Light and insert vacant.

Page 92

TX – remove Richard Ratliff and insert vacant.

Page 94

Remove Ray Fleming and insert vacant; remove Shawn Garza 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.....	William Irwin, Sc.D., CHP.....	Vermont.....	802/865-7730.....	william.irwin@vermont.gov
Chairperson-Elect .....	Jared Thompson.....	Arkansas .....	501/661-2173.....	jared.thompson@arkansas.gov
Past Chairperson .....	Michael J. Snee.....	Ohio.....	614/644-2727.....	michael.snee@odh.ohio.gov
Treasurer .....	Aaron Gantt.....	South Carolina.....	803/545-4420.....	ganttaa@dhec.sc.gov
Member-at-Large.....	Ken Yale.....	Michigan.....	517/930-5784.....	yalek@michigan.gov
Member-at-Large.....	Jennifer Elee.....	Louisiana .....	318/362-5367.....	jennifer.elee@la.gov
Member-at-Large.....	Patrick Mulligan.....	New Jersey.....	609/984-7700.....	Patrick.mulligan@dep.nj.gov

## CRCPD Councils

<b>Environmental Nuclear Council</b>	<b>J. Thompson (AR) 501/661-2173 jared.thompson@arkansas.gov</b>
<b>General Council and Liaisons</b>	<b>Aaron Gantt (SC) 803/545-4420 ganttaa@dhec.sc.gov</b>
<b>Healing Arts Council</b>	<b>Jennifer Elee (LA) 318-362-5367 jennifer.elee@la.gov</b>
<b>Homeland Security/Emergency Response Council</b>	<b>P. Mulligan (NJ) 609/984-7700 Patrick.mulligan@dep.nj.gov</b>
<b>Suggested State Regulations Council</b>	<b>Ken Yale (MI) 517/930-5784 yalek@michigan.gov</b>

*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-5U18FD00-4840) administered by the Food and Drug Administration.*

