

# CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC.

1030 Burlington Lane, Suite 4B ❖ Frankfort, Kentucky 40601 ❖ (502) 227-4543

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**A Partnership Dedicated to Radiation Protection**

**List of Publications**

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## TECHNICAL PUBLICATIONS

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### **Administrative**

*Rationale for a Single Radiation Control Agency*, a report of the Task Force on Radiation Priorities (G-44), March 2001, CRCPD Publication 01-3.

*Criteria for an Adequate Radiation Control Program*, April 1999, CRCPD Publication 99-2 (\$15.00). This Combined Criteria document updates and incorporates the previously published criteria documents that follow under this administrative section.

*Interim Criteria for Adequate Radiation Control Programs (Radon)*, a report of Task Force E-16, September 1990, CRCPD Publication 90-8 (\$5.00).

*Criteria for Adequate Radiation Control Programs (Environmental Monitoring and Surveillance)*, a report of Task Force E-10, May 1986, CRCPD Publication 86-4 (\$15.00).

*Criteria for Adequate Radiation Control Programs (Nonionizing)*, a report of Task Force H-2, April 1985, CRCPD Publication 85-2 (\$5.00).

*Criteria for Adequate Radiation Control Programs (Radioactive Materials)*, a report of Task Force E-3 (formerly 2B), November 1982, CRCPD Publication 82-2 (\$5.00).

*Criteria for Adequate Radiation Control Program (X-Ray)*, a report of Task Force 2A, April 1981, DHHS Publication (FDA) 81-8160 (\$5.00).

▶ Also see *Radiation Control Programs, Suggested State Regulations for Control of Radiation*.

### **Bonding and Surety**

*Guidance on Bonding and Surety Requirements*, developed by the Committee on Bonding and Surety (E-14), July 1990, CRCPD Publication 90-2 (\$25.00).

*Task Force Report on Bonding and Perpetual Care of Licensed Nuclear Activities*, April 1976, CRCPD Publication (\$10.00). (no longer available)

▶ Also see *Suggested State Regulations, Part S*.

**Calibration** See *Measurement and Calibration*

**Dirty Bomb** See *Radiological Dispersal Device*

### **Environment**

*Handbook for Responding to a Radiological Dispersal Device First Responder's Guide—The First 12 Hours*. This document was created as a training and reference tool for first responders. It will be useful for training, exercise and response activities. Many of the concepts introduced in the handbook can be applied to a variety of radiation incidents, and do not apply exclusively to dirty bombs. CRCPD Publication #06-6. September 2006. The publication consists of a bound document, a CD containing forms and handouts, and one RDD Pocket Guide, available for \$30, including shipping within the United States. The document on CD, CRCPD Publication #06-6-CD (without

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a pocket guide) is available for \$10. Shipping charges are extra on international orders. Quantity discounts are available: 10% off on orders of 500 or more, 15% off on orders of 5,000 or more.

*Radiological Dispersal Device (Dirty Bomb) First Responder's Pocket Guide.* This very durable, waterproof, and alcohol-safe 3" x 5" pocket guide provides both general and specific information for use during the first 12 hours after the detonation of an explosive radiological dispersal device (RDD), also called a *dirty bomb*. Republished September 2006, CRCPD Publication #06-RDD-PG, available for \$1.50 each. Quantity discounts are available: 10% off orders of 5,000 or more; 15% off orders of 50,000 or more. When ordering quantities of 5,000 or more, your information can be printed on the Contacts panel of the guides at no additional charge, saving you time and money by eliminating the need for labels. For custom printing information, contact <lcarigan@crcpd.org>.

*Dealing with Stray Radioactive Material*, June 1998, CRCPD publication 98-4, June 1998, a video providing guidance to operators of municipal waste or scrap recycling facilities on the detection of radioactivity in shipments of waste and scrap. It also provides information to those who assess and dispose of discovered radioactive material. May be purchased from CopyMaster Video, Inc., Villa Park, IL (Phone 630/941-8273). Quantity discounts are available.

*Detection and Prevention of Radioactive Contamination in Solid Waste Facilities*, developed by the Committee on Resource Recovery and Radioactivity (E-23), March 1998, CRCPD Publication 98-3 (\$10.00).

*Criteria for Adequate Radiation Control Programs (Environmental Monitoring and Surveillance)*, a report of Task Force E-10, May 1986, CRCPD Publication 86-4 (\$15.00).

*Natural Radioactivity Contamination Problems Report No. 2*, a report of the Committee, August 1981, Amendment Memorandum February 1983 (\$25.00) [NORM Report 2].

*Report on Guidance on Offsite Emergency Radiation Measurement Systems*, prepared by Committee on Emergency Response Planning, May 1981, FEMA-REP-2.

▶ Also see *NORM, Radon*

## **LLRW (Low-Level Radioactive Waste)**

*CRCPD Assistance with Disposition of Unwanted Radioactive Material*, Revised November 2004. Anyone interested in obtaining quantities of this trifold for distribution should contact the CRCPD Office of Executive Director. Information is also available on our Web site.

*Dealing with Stray Radioactive Material*, June 1998, CRCPD publication 98-4, June 1998, a video providing guidance to operators of municipal waste or scrap recycling facilities on the detection of radioactivity in shipments of waste and scrap. It also provides information to those who assess and dispose of discovered radioactive material. It may be purchased from CopyMaster Video, Inc., Villa Park, IL (Phone 630/941-8273). Quantity discounts are available.

*Detection and Prevention of Radioactive Contamination in Solid Waste Facilities*, developed by the Committee on Resource Recovery and Radioactivity (E-23), March 1998, CRCPD Publication 98-3 (\$10.00).

*Radiological Safety Inspection of Highway Vehicles Transporting LLRW [Radioactive Materials]*, a video of the procedure recommended by the Committee on Radioactive Waste Management, February 1994, CRCPD Publication 94-7. May be purchased from CopyMaster Video, Inc., Villa Park, IL (Phone 630/941-8273).

▶ Also see *Transportation*.

## **Mammography**

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1992 Mammography Survey*, March 1995, CRCPD Publication 95-2 (\$25.00).

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*Report of State Mammography Program Activities-1991, a report by the Committee on Mammography (H-11), Mammography Screening Guide, prepared by the Medical Practice Task Force, February 1987, CRCPD Publication 87-4 (\$5.00).*

▶ *Also see QA Collectibles, NEXT*

## **Measurement and Calibration**

*Accreditation Criteria for Calibration Laboratories, Fourth Edition*, developed by the CRCPD Committee on Ionizing Measurements (G-2), August 2007, CRCPD Publication E-07-5. (Available on our Website at no charge; \$15.00 for a computer-generated copy.) (This document supersedes *Accreditation Criteria for Calibration Laboratories*, CRCPD publication numbers 99-4, 01-2, and 03-3.)

*Directory of Calibration Services for Ionizing Radiation Survey Instruments*, U.S. Department of Commerce, National Bureau of Standards and CRCPD, January 1988, NBS GCR 88-539.

*Ionizing Radiation Measurement Criteria for Regulatory Purposes*, December 1985, prepared by the Committee on Radiation Measurements, Second Edition, CRCPD Publication 85-4.

*Ionizing Radiation Measurement Criteria for Regulatory Purposes*, November 1979, NBS GCR 79-174. (\$15.00) [This document was superseded by *Ionizing Radiation Measurement Criteria for Regulatory Purposes*, December 1985, prepared by the Committee on Radiation Measurements, Second Edition, CRCPD Publication 85-4.]

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**NEXT (Nationwide Evaluation of X-Ray Trends) Documents**

*Nationwide Evaluation of X-Ray Trends (NEXT) Protocol for 2008-2009 Survey of Cardiac Catheterization*, May 2009, CRCPD Publication E-09-2. (Available online at no charge.)

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 2000 Survey of Computed Tomography*, August 2007, CRCPD Publication E-07-2. (Available on our Website at no charge; \$15.00 for a computer-generated copy). This document is best viewed with Acrobat Reader 6.0 or higher.

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 2002 Abdomen/Lumbosacral Spine Survey*, March 2006, CRCPD Publication E-06-2b [Note: this document was originally published January 2006, CRCPD Publication E-06-2, but was removed from availability shortly thereafter; the document was republished in March after undergoing revisions to six pages, CRCPD publication E-06-2a. Changes were made to two pages of the document in October 2006 and republished as E-06-2b. A total of 12 pages have been replaced since the original publication of the document. Page ii lists the pages that have been changed.] (Available on our Website at no charge; \$15.00 for a computer-generated copy).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 2000 Adult Chest Radiography*, September 2005, CRCPD Publication E-05-2 (Available on our Website at no charge; \$15.00 for a computer-generated copy).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1998 Pediatric Chest Survey*, September 2004, CRCPD Publication E-04-5 (Available on our Website at no charge; \$15.00 for a computer-generated copy).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1999 Dental Radiography Survey*, November 2003/Republished August 2007 with changes to pages 15 & 16, CRCPD Publication E-03-6-a (Available on our Website at no charge; \$15.00 for a computer-generated copy).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1996 Fluoroscopy Survey*, October 2002, CRCPD Publication E-02-4 (Available on our Website at no charge; \$15.00 for a computer-generated copy).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1995 Abdomen and Lumbosacral Spine Surveys*, September 2000, CRCPD Publication 00-2 (\$25.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Summary of 1994 Chest Radiography Survey*, July 1998, CRCPD Publication 98-2 (\$15.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1993 Dental Survey*, September 1996, CRCPD Publication 96-3 (\$25.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1992 Mammography Survey*, March 1995, CRCPD Publication 95-2 (\$25.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Summary of 1990 Computerized Tomography Survey and 1991 Fluoroscopy Survey*, January 1994, CRCPD Publication 94-2 (\$25.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation & Graphical Summary of 1989 Abdomen and Lumbo-Sacral Spine Survey in Private Practice and Chiropractor's Offices*, May 1991, CRCPD Publication 91-3 (\$15.00) No longer available/out of print.

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1988 Mammography Survey*, October 1990, CRCPD Publication 90-7 (\$15.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Evaluation of Past Impact, Current Status, and Future Plans*, August 1990, CRCPD Publication 90-5 (\$20.00).

*Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of Surveys 1984 through 1987*, August 1989, CRCPD Publication 89-3 (\$25.00).

**NEXT (Nationwide Evaluation of X-Ray Trends) Protocols** (available only online)

[NEXT 1999 Dental X-ray Protocol](#)

[NEXT 2000 Protocol for Survey of Computer Tomography](#) (pdf format)

The NEXT 2001 Protocol for Survey of Adult Chest Radiography:

[2001 Chest Protocol procedures document](#) (pdf)

[Surveyor Worksheet](#) (pdf)

[Surveyor Worksheet](#) (Excel 2002)

[Facility Questionnaire](#) (pdf)

[Facility Questionnaire](#) (Excel 2002)

The [NEXT 2002 Abdomen and Lumbo-Sacral Spine Radiography Protocol](#)

**NEXT (Nationwide Evaluation of X-Ray Trends) Trifolds** (The information in these trifolds is extracted from the published NEXT document or from a NEXT document approved for publication but not yet published.)

[25 Years of NEXT](#) [Updated 12/23/03]

[NEXT 2003 Upper Gastrointestinal Fluoroscopy](#)

[NEXT 2002 Abdomen Radiography Survey](#)

[NEXT 2002 Lumbosacral \(LS\) Spine Radiography Survey](#)

[NEXT 2001 Chest Radiography Data](#)

[NEXT 2000 Computed Tomography](#)

[NEXT 1999 Dental X-Ray Data](#)

[NEXT 1998 Pediatric Chest X-Ray Data](#)

[NEXT 1996 Upper G.I. Fluoroscopy](#)

[NEXT 1995 Abdomen and LS Spine X-Ray Data](#)

[NEXT 1994 P/A Chest X-Ray Data](#)

[NEXT 1993 Dental X-Ray Data](#)

[NEXT 1992 Mammography X-Ray Data](#)

**Nonionizing Radiation**

*Suggested State Regulations for Control of Radiation, Volume I (Ionizing) and Volume II (Nonionizing).* (revised/updated on an ongoing basis). For pricing structure, refer to the listing under *SSRCR*.

*Fact Sheet: Questions and Answers About EMF*, prepared by the Committee on Electromagnetic Environmental Effects (E-19), April 1994, CRCPD Publication 94-5.

*Fact Sheet: EMF Epidemiology*, prepared by the Committee on Electromagnetic Environmental Effects (E-19), April 1994, CRCPD Publication 94-4.

*Fact Sheet: Biological Research in EMF*, prepared by the Committee on Electromagnetic Environmental Effects (E-19), April 1994, CRCPD Publication 94-3.

*Criteria for Adequate Radiation Control Programs (Nonionizing)*, a report of Task Force H-2, April 1985, CRCPD Publication 85-2 (\$5.00).

*Instrumentation for Nonionizing Radiation Measurement*, January 1984, HHS Publication FDA 84-8222 (\$15.00).

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▶ *Also see SSRCR Volume II*

## **NORM (Naturally Occurring Radioactive Materials)**

*CRCPD Assistance with Disposition of Unwanted Radioactive Material*, Revised November 2004. Anyone interested in obtaining quantities of this trifold for distribution should contact the CRCPD Office of Executive Director. Information is also available on our Web site.

*Report of the E-4 Committee on NORM Contamination and Decontamination/Decommission, Report 3*, April 1994, CRCPD Publication 94-6 (\$30.00) [NORM Report 3].

*Natural Radioactivity Contamination Problems Report No. 2*, a report of the Committee, August 1981, Amendment Memorandum February 1983 (\$25.00) [NORM Report 2].

*Natural Radioactivity Contamination Problems, a report of the Task Force*, February 1978, EPA 520/4-77-015 (\$25.00) [NORM Report 1].

▶ *Also see Environment, Radon*

## **Proceedings**

*Proceedings of the 41st Annual National Conference on Radiation Control, August 2009*, CRCPD Publication E-09-3. Abbreviated version available on our Website at no charge. Available on CD @ \$20.

*Proceedings of the 18th National Radon Conference*, October 2008, CRCPD Publication E-08-5. Abbreviated version available on our website at no charge. Available on CD/DVD for \$20.

*Proceedings of the 40th Annual National Conference on Radiation Control*, July 2008, CRCPD Publication E-08-3. Abbreviated version available on our Website at no charge. Available on CD @ \$20.

*Proceedings of the 17th National Radon Conference*, November 2007, CRCPD Publication E-07-6. Abbreviated version available on our website at no charge. Available on CD at \$20, with links to the actual PowerPoint presentations on the CD.

*Proceedings of the 39th Annual National Conference on Radiation Control*, July 2007, CRCPD Publication E-07-4. Abbreviated version available on our Website at no charge. Available on DVD @ \$20. notes. The DVD also contains the attendees list. Acrobat 6 or higher is required.

*Proceedings of the 16th National Radon Conference*, December 2006, CRCPD Publication E-06-7. Abbreviated version available on our website at no charge.

*Proceedings of the 38th Annual National Conference on Radiation Control*, July 2006, CRCPD Publication E-06-4. Published on CD @ \$50. Includes PowerPoint Presentations, manuscripts, and a list of speakers, as well as other information from the meeting. Available on our Website at no charge.

*Proceedings of the 15th National Radon Meeting*, November 2005, CRCPD Publication E-05-4. The PDF file is published on CD @ \$35 for CRCPD Members, \$50 for Non-Members. The Proceedings published on CD also contains the actual PowerPoint presentations. Available on our website (26.2 MB pdf file) at no charge, without the PowerPoint presentations.

*Proceedings of 37th Annual National Conference on Radiation Control*, September 2005, CRCPD Publication E-05-3. The PDF file is published on CD @ \$35.00 for CRCPD Members; \$50 for Non-Members. The Proceedings published on CD also contains the actual PowerPoint presentations. Available on our Website (38 KB pdf file) at no charge, without the PowerPoint presentations.

*Proceedings of the 14th National Radon Meeting*, December 2004, CRCPD Publication E-04-7. Published on CD @ \$30; Available on our Website at no charge.)

*Proceedings of 36th Annual National Conference on Radiation Control*, August 2004, CRCPD Publication E-04-3 (\$35.00 for CRCPD Members; \$50 for Non-Members), published on CD. A computer-generated copy is available upon request. (Available on our Website at no charge.)

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- Proceedings of National Symposium of Fusion Imaging and Multimodalities: Technical and Regulatory Considerations*, March 2004, CRCPD Publication E-04-2 (Published on CD @\$25; Available online at no charge.)
- Proceedings of 35th Annual National Conference on Radiation Control*, October 2003, CRCPD Publication E-03-4 (\$35.00 for CRCPD Members; \$50 for Non-Members), published on CD. A computer-generated copy is available upon request. (Available on our Website at no charge.)
- Proceedings of 34th Annual National Conference on Radiation Control*, August 2002, CRCPD Publication 02-3 (\$40.00 for printed copy). (Technical papers are available on our Website at no charge, but the entire document is only available in the bound printed document.)
- Proceedings of 33rd Annual National Conference on Radiation Control*, September 2001, CRCPD Publication 01-7 (\$40.00 for printed copy).
- Proceedings of 32nd Annual National Conference on Radiation Control*, September 2000, CRCPD Publication 00-3 (\$40.00 for printed copy).
- Proceedings of 31st Annual National Conference on Radiation Control*, August 1999, CRCPD Publication 99-3 (\$40.00 for printed copy).
- Proceedings of 30th Annual National Conference on Radiation Control*, August 1998, CRCPD Publication 98-5 (\$40.00).
- Proceedings of 29th Annual National Conference on Radiation Control*, November 1997, CRCPD Publication 97-3 (\$40.00).
- Proceedings of 28th Annual National Conference on Radiation Control*, October 1996, CRCPD Publication 96-4 (\$35.00).
- Proceedings of 27th Annual National Conference on Radiation Control*, October 1995, CRCPD Publication 95-4 (\$35.00).
- Proceedings of 26th Annual National Conference on Radiation Control*, October 1994, CRCPD Publication 94-9 (\$35.00)

## **Q.A. Collectibles** (Developed by the CRCPD Committee on Quality Assurance in Diagnostic X-Ray)

These are all available online.

### **Computed Tomography (CT) Q.A. Collectibles**

- February 2001 *Computed Tomography Fluoroscopy*  
This Collectible provides a brief description of CT fluoroscopy and lists important radiation safety inspection objectives.
- October 1998 *Developing a Technique Chart for a CT System -- Why is it Important?*  
This collectible includes an example of exposure differences using different techniques.

### **Dental Q.A. Collectibles**

- October 2008 *A Brief Overview of Photo-Stimulable Phosphor Imaging for Dental Intraoral Imaging*  
This collectible provides an overview of photo-stimulable phosphor imaging and discusses its advantages and disadvantages.
- October 2000 *Automatic Dental Film Processors*  
This collectible provides a table of manufacturer specifications for dental film processing systems.
- April 1998 *Dental Device for the Normalization and Monitoring of Intraoral Film Processing Systems*  
This collectible discusses the use of a dental radiographic normalizing and monitoring device as a QC tool in dental offices.

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- June 1992 *Stray Radiation from Dental Panoramic X-Ray Systems*  
This collectible was written to assist inspectors and facilities in determining exposure levels from panoramic units. It includes diagrams of scatter measurements taken 1 meter from the tube head of panoramic, panelipse, and orthopantomograph units.
- December 1990 *Testing of Dental Panoramic X-Ray Systems Using CT Chamber*  
A "How To" collectible for the inspector.
- October 1988 *Checklist to Critique Intraoral Radiographs*  
Originally written by the Washington State Department of Health, this collectible is intended for distribution to facility trained dental assistants to assist them with positioning.

### Digital Q.A. Collectibles

- October 2008 *Brief Overview of Computed Radiography*  
This Collectible provides a brief overview of computed radiography, including the advantages and disadvantages, as well as inspector tips.
- October 2007 *Brief Overview of Photo-Stimulable Phosphor Imaging for Dental Intraoral Imaging*  
This Collectible discusses this technique and provides advantages of PSP imaging.

### Exposure Q.A. Collectibles

- October 2001 *Dose-Area Product (DAP)*  
This Collectible provides a brief description of dose-area product (DAP) meters.
- April 2001 *Entrance Skin Exposures (ESE) from Ion Chamber Readings*  
This Collectible suggests a procedure for determining the patient radiation exposure at skin entrance on radiographic equipment.
- February 2001 *Computed Tomography Fluoroscopy*  
This Collectible provides a brief description of CT fluoroscopy and lists important radiation safety inspection objectives.
- July 1988 *Methods to Reduce Patient Exposure*  
This collectible gives suggested methods for reducing patient exposure from diagnostic x-ray exams.
- December 1987 *Typical Patient Fluoroscopic Exposure Rate*  
This collectible gives the test method and equations for determining fluoroscopic exposure rates.

### Fluoroscopy Q.A. Collectibles

- December 1987 *Typical Patient Fluoroscopic Exposure Rate*  
This collectible gives the test method and equations for determining fluoroscopic exposure rates.
- February 1987 *Quality Assurance Tips for Fluoroscopic Image Evaluation, Low-Contrast Performance*  
Measurement protocols for measuring low contrast with a test tool for fluoroscopic units are detailed.
- October 1986 *Quality Assurance Tips for Fluoroscopic Image Evaluation, High-Contrast Performance*  
Measurement protocols for measuring high contrast with a test tool for fluoroscopic units are detailed.

### General Quality Assurance Q.A. Collectibles

- October 2008 *Brief Overview of Computed Radiography*

This Collectible provides a brief overview of computed radiography, including the advantages and disadvantages, as well as inspector tips.

- April 1998 *Dental Device for the Normalization and Monitoring of Intraoral Film Processing Systems*  
This collectible discusses the use of a dental radiographic normalizing and monitoring device as a QC tool in dental offices.
- December 1991 *Tube Warm-up and the On-Off Question*  
Whether or not tubes should be warmed up prior to use and whether or not machines should be left on are discussed.
- May 1990 *CT System Survey, "More than just MSAD"*  
This collectible discusses how to measure slice thickness accuracy and table increment accuracy for CT systems.
- April 1988 *Checklist Guide for Quality PA Chest Radiographs*  
Originally written by the Washington State Department of Health, this collectible is intended for distribution to non-RT x-ray machine operators to assist them with positioning.
- February 1987 *Quality Assurance Tips for Fluoroscopic Image Evaluation, Low-Contrast Performance*  
Measurement protocols for measuring low contrast with a test tool for fluoroscopic units are detailed.
- October 1986 *Quality Assurance Tips for Fluoroscopic Image Evaluation, High-Contrast Performance*  
Measurement protocols for measuring high contrast with a test tool for fluoroscopic units are detailed.
- July 1986 *Film Use Analysis*  
This collectible gives detailed instructions on how to do a retake analysis.

**Mammography Q.A. Collectible**

- August 1996 *Mammography Phantom Imaging Scoring*  
This collectible details the manner in which mammography phantoms should be scored according to the American College of Radiology and the Food and Drug Administration.

**Processing/Darkroom Q.A. Collectibles**

- April 1998 *Dental Device for the Normalization and Monitoring of Intraoral Film Processing Systems*  
This collectible discusses the use of a dental radiographic normalizing and monitoring device as a QC tool in dental offices.
- December 1992 *Processor Sensitometric Control*  
This collectible outlines the importance of a processor quality control program.
- April 1991 *Maintaining Film Processing Quality in Low Volume Processors*  
Problems unique to low volume processors are discussed.
- April 1989 *Darkroom Safelights - One Easy Lesson*  
Written to assist state inspectors in evaluating safelights, names of filters and the type of film for which they are appropriate is included.
- October 1987 *Darkroom Fog*  
This collectible outlines how to measure for darkroom fog.

**Surveys Q.A. Collectibles**

- October 2001     *Beam Quality: Total Filtration and Half-Value Layer*  
This collectible explains the difference between total filtration and half-value layer.
- June 1995        *Test Stand Modifications*  
A compilation of modifications from several states, this collectible is a synopsis of a paper written by the State of Illinois as a suggestion for other states. The test stand in question is the one that issued in the Food and Drug Administration Level 2 Survey Kit.
- December 1990   *Testing of Dental Panoramic X-Ray Systems Using CT Chamber*  
A "How To" collectible for the inspector.

**Technique Q.A. Collectibles**

- April 2001        *Entrance Skin Exposures (ESE) from Ion Chamber Readings*  
This Collectible suggests a procedure for determining the patient radiation exposure at skin entrance on radiographic equipment.
- October 1998     *Developing a Technique Chart for a CT System--Why is it Important?*  
This collectible included an example of exposure differences using different techniques.
- April 1994        *kVp Measurements*  
Non-invasive kVp measurements are discussed, along with problems inherent to this type of measurement.
- August 1991      *Imaging System Speed - An Update*  
This collectible includes charts with speeds for different film-screen combinations for both blue and green films.
- March 1990       *Grids*  
Information about grids is relayed in this collectible.
- January 1990     *kVp Ranges for Routine Exams*  
This collectible gives suggested ranges.

**Radiation Control Programs**

- Rationale for a Single Radiation Control Agency*, a report of the Task Force on Radiation Priorities (G-44), March 2001, CRCPD Publication 01-3 (\$10.00).
- Criteria for an Adequate Radiation Control Program*, April 1999, CRCPD Publication 99-2 (\$15.00). This Combined Criteria document updates and incorporates the previously published criteria documents: *Interim Criteria for Adequate Radiation Control Programs (Radon)*, CRCPD Publication 90-8, *Criteria for Adequate Radiation Control Programs (Environmental Monitoring and Surveillance)*, CRCPD Publication 86-4, *Criteria for Adequate Radiation Control Programs (Nonionizing)*, CRCPD Publication 85-2, *Criteria for Adequate Radiation Control Programs (Radioactive Materials)*, CRCPD Publication 82-2, and *Criteria for Adequate Radiation Control Program (X-Ray)*, DHHS Publication (FDA) 81-8160.
- CRCPD Recognition of Licensing States for the Regulation and Control of NARM*, by the Committee on Licensing State Designation (G-20), August 1994, CRCPD Publication 94-8 (\$25.00).
- A Guide to Nongovernment Inspector Programs*, a report by the Committee on Qualifications of Non-State X-Ray Inspections (H-10), August 1993, CRCPD Publication 93-6.
- Guidance for State Registration, Licensing and Regulation of Explosive Detection Systems Using Neutron Activation Technology*, a report of the Task Force on Explosive Detection Systems (G-30), January 1992, CRCPD Publication 92-2 (\$15.00).
- Interim Criteria for Adequate Radiation Control Programs (Radon)*, a report of Task Force E-16, September 1990, CRCPD Publication 90-8 (\$5.00).

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*Criteria for Adequate Radiation Control Programs (Environmental Monitoring and Surveillance)*, a report of Task Force E-10, May 1986, CRCPD Publication 86-4 (\$15.00).

*Criteria for Adequate Radiation Control Programs (Nonionizing)*, a report of Task Force H-2, April 1985, CRCPD Publication 85-2 (\$5.00).

*Criteria for Adequate Radiation Control Programs (Radioactive Materials)*, a report of Task Force E-3 (formerly 2B), November 1982, CRCPD Publication 82-2 (\$5.00).

*Credentialing Users of Ionizing Radiation in the Healing Arts*, a report of Task Force on Credentialing of Radiation Allied Health Operators, May 1982 (\$5.00).

*Criteria for Adequate Radiation Control Program (X-Ray)*, a report of Task Force 2A, April 1981, DHHS Publication (FDA) 81-8160 (\$5.00).

*Task Force Report on Bonding and Perpetual Care of Licensed Nuclear Activities*, April 1976, CRCPD Publication (\$5.00).

▶ Also see *Administrative*

### **Radioactive Materials**

*CRCPD Assistance with Disposition of Unwanted Radioactive Material*, Revised November 2004. Anyone interested in obtaining quantities of this trifold for distribution should contact the CRCPD Office of Executive Director. This document is also available on our Website.

*A Strategy for Uniform Regulation and Control of Naturally Occurring and Accelerator-Produced Radioactive Materials (NARM)*, a strategy paper, February 27, 1992.

*Guidance for State Registration, Licensing and Regulation of Explosive Detection Systems Using Neutron Activation Technology*, a report of the Task Force on Explosive Detection Systems (G-30), January 1992, CRCPD Publication 92-2 (\$15.00).

*Criteria for Adequate Radiation Control Programs (Radioactive Materials)*, a report of Task Force E-3 (formerly 2B), November 1982, CRCPD Publication 82-2 (\$5.00).

*Guides for Naturally Occurring and Accelerator-Produced Radioactive Materials (NARM)*, June 1981, DHHS Publication (FDA) 81-8025 (\$25.00).

▶ Also see *Bonding, LLW, NORM, Transportation*

### **Radiological Dispersal Device (RDD) First Responder's Guide**

*Handbook for Responding to a Radiological Dispersal Device First Responder's Guide—The First 12 Hours*. This document was created as a training and reference tool for first responders. It will be useful for training, exercise and response activities. Many of the concepts introduced in the handbook can be applied to a variety of radiation incidents, and do not apply exclusively to dirty bombs. CRCPD Publication #06-6. September 2006. The publication consists of a bound document, a CD containing forms and handouts, and one RDD Pocket Guide, available for \$30, including shipping within the United States. The document on CD, CRCPD Publication #06-6-CD (without a pocket guide) is available for \$10. Shipping charges are extra on international orders. Quantity discounts are available: 10% off on orders of 500 or more, 15% off on orders of 5,000 or more.

*RDD First Responder's Pocket Guide*. This very durable, waterproof, and alcohol-safe 3" x 5" pocket guide provides both general and specific information for use during the first 12 hours after the detonation of an explosive radiological dispersal device (RDD), also called a *dirty bomb*. Republished September 2006, CRCPD Publication #06-RDD-PG, available for \$1.50 each, including shipping within the United States. Shipping charges are extra on international orders. This is a companion document to the RDD Handbook for Responding to an RDD listed above. Quantity discounts are available: 10% off orders of 5,000 or more; 15% off orders of 50,000 or more. When ordering quantities of 5,000 or more, your information can be printed on the Contacts panel of the guides at no additional charge, saving you time and money by eliminating the need for labels. For custom printing information, contact <icarigan@crcpd.org>.

## **Radon**

*Proceedings of the 18th National Radon Conference*, October 2007, CRCPD Publication E-08-5. Available on our website at no charge. Available on CD/DVD for \$20. The CD/DVD includes several elements not available online: the PowerPoint presentations, individual black and white printer friendly PDF files of each presentation, and the attendees list.

*Proceedings of the 17th National Radon Conference*, November 2007, CRCPD Publication E-07-6. Available on our website at no charge, without the actual PowerPoint presentations. Available on CD at \$20, with links to the actual PowerPoint presentations on the CD.

*Proceedings of the 16th National Radon Conference*, December 2006, CRCPD Publication E-06-7. Available on our website at no charge, without the actual PowerPoint presentations. Available on CD at \$50, with links to the actual PowerPoint presentations on the CD.

*Proceedings of the Fifteenth National Radon Meeting*, November 2005, CRCPD Publication E-05-4. The PDF file is published on CD @ \$35 for CRCPD Members, \$50 for Non-Members. The Proceedings published on CD also contains the actual PowerPoint presentations. Available on our website at no charge, without the PowerPoint presentations.

*Proceedings of the 14th National Radon Meeting*, December 2004, CRCPD Publication E-04-7. Published on CD @ \$30; Available on our Website at no charge.)

*Radon in Drinking Water Regulations: A Brief History* [Technical White Paper developed by the E-29 Liaison to ASDWA/AWWA.] CRCPD Publication E-04-4. September 2, 2004. (Available on our Website at no charge.)

*Criteria for Certification of Radon Service Providers, the Accreditation of Radon Chambers and Laboratories, and the Approval of Measurement Devices*, by the SR-11 Suggested State Regulations Radon Committee, February 2002, CRCPD Publication E-02-2 (Available on our Website at no charge; \$10.00 for a computer-generated copy).

*Interim Criteria for Adequate Radiation Control Programs (Radon)*, a report of Task Force E-16, September 1990, CRCPD Publication 90-8 (\$5.00).

**RDD** See Radiological Dispersal Device above.

## **Risk**

*Radiological Health Risks from Transportation of Radioactive Materials*, November 1998, CRCPD Publication 98-6 (\$25.00).

*Health Risks of Low-Level Ionizing Radiation*, a document endorsed by the CRCPD membership, March 1996, CRCPD Publication 96-2 (\$35.00).

## **SSRCR (Suggested State Regulations for Control of Radiation)**

Volume I (Ionizing) and Volume II (Nonionizing). The Suggested State Regulations for Control of Radiation is a dynamic document (revised/updated on an ongoing basis). The SSRs are available at our Website ([www.crcpd.org](http://www.crcpd.org)) at no charge. An Index of the SSRs is also available on our website.

The SSRCRs consist of a number of Parts that relate to various aspects of radiation regulation. While each Part is complete as to its subject matter, and each Part displays a publication date, individual Parts should not be viewed as stand alone publications. All Parts reference other portions of the SSRCRs, as well as federal regulations. Many Parts are dependant on other portions of the SSRCRs and as such should not be viewed as independent publications.

## **Volume I (Ionizing)**

CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC.

1030 Burlington Lane, Suite 4B ❖ Frankfort, Kentucky 40601 ❖ (502) 227-4543

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**List of Publications**

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- Part A      General Provisions (Published 03/03)
- Part B      Registration of Radiation Machines, Facilities, and Services (Published 12/95)
- Part C      Licensing of Radioactive Materials (Published 05/08)
- Part D      Standards for Protection Against Radiation (Published 03/03)
- Part E      Radiation Safety Requirements for Industrial Radiographic Operations (Published 02/99)
- Part F      X-ray in the Healing Arts (Published 12/01)
- Part G      Use of Radionuclides in the Healing Arts (Published 03/03)
- Part H      Radiation Safety Requirements for Non-Medical Radiation Generating Devices (Published 01/91)
- Part I      Radiation Safety Requirements for Particle Accelerators (Published 01/91)
- Part J      Notices, Instructions, and Reports to Workers; Inspections (Published 03/03)
- Part L      Assured Isolation
- Part M      Licensing Requirements for Land Disposal of Radioactive Waste (Published 01/91)
- Part N      TENORM Rules (Published 04/04) and  
Implementation Guidance for Regulation and Licensing of TENORM (Published 04/04)
- Part O      Decontamination/Decommissioning (Published 08/00)
- Part P      Licensee Contingency Plan (Published 08/01)
- Part Q      Licensing and Radiation Safety Requirements for Irradiators (Published 05/05)
- Part R      Bonding and Surety (Published 01/05)
- Part T      Transportation of Radioactive Materials (Published 02/99)
- Part U      Licensing Requirements for Uranium and Thorium Processing and Related Radioactive Material
- Part W      Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies (Published 01/91)
- Part X      Medical Therapy (Published 02/05)
- Part Y      Disposal of Contaminated Waste Water Sludge in Landfills
- Part Z      Medical Credentialing

**Volume II (Nonionizing Radiation)**

- Part AA      Lasers (Published 11/05)
- Part BB      Tanning Facilities (Published 04/07)

▶ *Also see Bonding*

The pricing structure and methods of availability of the published hard copy of the *Suggested State Regulations* are:

Document only (document and amendments published only to that point)

Volume I (Ionizing) \$75

Volume II (Nonionizing) \$25

Volumes I and II \$100

Document and subscription (document and ongoing revisions for one year)

Volume I (Ionizing) \$125

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Volume II (Nonionizing) (amendments not anticipated in near future)

Volumes I and II \$150

Subsequent subscription (continuation of subscription to the document for an additional year)

Volume I (Ionizing) \$50

Volume II (Nonionizing) (amendments not anticipated in near future) \$15

Volumes I and II \$65

### Style Guide

*Style Guide for CRCPD Technical Documents*, April 1987, CRCPD Publication 87-5.

### Transportation

*CRCPD Assistance with Disposition of Unwanted Radioactive Material*, Revised November 2004. Anyone interested in obtaining quantities of this trifold for distribution should contact the CRCPD Office of Executive Director. This document is also available on our Website.

*Radiological Health Risks from Transportation of Radioactive Materials*, November 1998, CRCPD Publication 98-6 (\$25.00).

*Dealing with Stray Radioactive Material*, June 1998, CRCPD publication 98-4, June 1998, a video providing guidance to operators of municipal waste or scrap recycling facilities on the detection of radioactivity in shipments of waste and scrap. It also provides information to those who assess and dispose of discovered radioactive material. May be purchased from CopyMaster Video, Inc., Villa Park, IL (Phone 630/941-8273). Quantity discounts are available.

*Detection and Prevention of Radioactive Contamination in Solid Waste Facilities*, developed by the Committee on Resource Recovery and Radioactivity (E-23), March 1998, CRCPD Publication 98-3 (\$10.00).

*First Response to Transportation Accidents Involving Radioactive Materials*, a video of guidance of the Committee on Emergency Response Planning, December 1995, CRCPD Publication 95-5. May be purchased from CopyMaster Video, Inc., Villa Park, IL (Phone 630/941-8273).

*Radiological Safety Inspection of Highway Vehicles Transporting LLRW [Radioactive Materials]*, a video of the procedure recommended by the Committee on Radioactive Waste Management, February 1994, CRCPD Publication 94-7. May be purchased from CopyMaster Video, Inc., Villa Park, IL (Phone 630/941-8273).

### White Papers

*An Educational Report on Cyberknife® Quality Assurance Testing* [Technical White Paper developed by the H-26 Task Force on Cyberknife®] CRCPD Publication E-07-3. April 2007. [Available on our Website at no charge.]

*Bone Densitometry* [Technical White Paper developed by the H-30 Task Force on Bone Densitometry] CRCPD Publication E-06-5. August 7, 2006. [Available on our Website at no charge.]

*Radon in Drinking Water Regulations: A Brief History* [Technical White Paper developed by the E-29 Liaison to ASDWA/AWWA.] CRCPD Publication E-04-4. September 2, 2004. (Available on our Website at no charge.)

### X-Ray

*An Educational Report on Cyberknife® Quality Assurance Testing* [Technical White Paper developed by the H-26 Task Force on Cyberknife®] CRCPD Publication E-07-3. April 2007. [Available on our Website at no charge.]

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*Proceedings of National Symposium of Fusion Imaging and Multimodalities: Technical and Regulatory Considerations*, March 2004, CRCPD Publication E-04-2 (Published on CD @\$25; Available online at no charge.)

*Patient Exposure and Dose Guide – 2003*, developed by the Committee on Quality Assurance on Diagnostic X-ray (H-7), January 2003, CRCPD Publication E-03-2 (\$15.00) (Available on our Website at no charge; \$15.00 for a computer-generated copy).

*Quality Control Recommendations for Diagnostic Radiology, Dental Facilities (Volume 1)*, developed by the Committee on Quality Assurance in Diagnostic X-Ray (H-7), July 2001, CRCPD Publication 01-4 (\$20.00). [3/29/04: This document is now available online at no charge.]

*Quality Control Recommendations for Diagnostic Radiology, Podiatric Facilities (Volume 2)*, developed by the Committee on Quality Assurance in Diagnostic X-Ray (H-7), July 2001, CRCPD Publication 01-5 (\$20.00). [3/29/04: This document is now available online at no charge.]

*Quality Control Recommendations for Diagnostic Radiology, Radiographic or Fluoroscopic Machines (Volume 3)*, developed by the Committee on Quality Assurance in Diagnostic X-Ray (H-7), July 2001, CRCPD Publication 01-6 (\$20.00). [3/29/04: This document is now available online at no charge.]

*A Guide to Nongovernment Inspector Programs*, a report by the Committee on Qualifications of Non-State X-Ray Inspections (H-10), August 1993, CRCPD Publication 93-6.

*Average Patient Exposure/Dose Guides-1992*, developed by the Committee on Quality Assurance in Diagnostic X-Ray (H-7), June 1992, CRCPD Publication 92-4 (\$10.00)

*Average Patient Exposure Guides*, developed by the Committee on Quality Assurance in Diagnostic X-Ray (H-7), CRCPD Publication 88-5 (\$5.00). [This document has been superseded by CRCPD Publication 92-4, *Average Patient Exposure/ Dose Guides-1992* (\$10.00).]

*Suggested X-Ray Survey Procedure Manual, a report of the Committee on Nationwide Evaluation of X-Ray Trends (NEXT) (H-4) and the Task Force on Quality Assurance in Diagnostic X-Ray (H-7), September 1986*, CRCPD Publication 86-5 (\$20.00).

*Administrative X-Ray: Results of a Nationwide Survey on Mandated and Screening Radiography, a report of Medical Practice Task Force (H-3), January 1986*, CRCPD Publication 86-2 (\$5.00).

*Credentialing Users of Ionizing Radiation in the Healing Arts, a report of Task Force on Credentialing of Radiation Allied Health Operators, May 1982* (\$5.00).

*Criteria for Adequate Radiation Control Program (X-Ray), a report of Task Force 2A, April 1981, DHHS Publication (FDA) 81-8160* (\$5.00).

*Quality Assurance in Diagnostic Radiology: A Guide for State Program Implementation, January 1981, HHS Publication FDA 81-8147.*

*Patient Exposure Guides for Diagnostic X-Ray, developed by the Task Force on Quality Assurance in Diagnostic X-Ray, 1980* (\$5.00). [This document was superseded by CRCPD Publication 88-5, *Average Patient Exposure Guides* (\$5.00), which was superseded by CRCPD Publication 92-4, *Average Patient Exposure/Dose Guides-1992* (\$10.00)].

▶ Also see *Mammography, NEXT, QA Collectibles*

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## ALL OTHER PUBLICATIONS

### Directories

*Directory of Personnel Responsible for Radiological Health Programs, published in January of each year (current copy, 09-1, is \$55.00).*

### Historical

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*CRCPD: The First Twenty-Five Years*, prepared by Ruth E. McBurney, Past Historian, May 1993, CRCPD Publication 93-4.

*CRCPD: The Continuing Saga, 1993-2007*, prepared by Terry C. Frazee, Historian, August 2008, CRCPD Publication E-08-4. Available online at no charge; \$15 for a computer-generated copy from CRCPD.

**Newsletters**

*Newsbrief*, published by CRCPD bimonthly (Included with CRCPD membership. Subscription for non-members: \$35.00 per year). (Available for members and subscribers on the CRCPD Website/with limited mail distribution when web access unavailable.)

*Radon Bulletin*, available on our Website.

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