



*Protecting, Maintaining and Improving  
the Health of All Minnesotans*



**OCTOBER 2010**

**Radiation Control, X-ray Unit  
Minnesota Department of Health  
625 Robert Street North  
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## ***MDH X-ray Unit magnets***

The MDH X-ray Unit created magnets for all registered facilities to help facilitate communication between our registrants and MDH. Please write your facility registration number on the magnet, as we refer to this number to answer your questions. If you did not receive your magnet yet, please give us a call.

### ***X-ray Focus***

*Your phone and email frequently asked questions*

#### ***MDH requirements when purchasing x-ray equipment***

MDH would like to provide some guidelines for those facilities which are installing a piece of x-ray equipment that is new to your facility.

- If your x-ray room is new or structurally remodeled you must complete a [shielding plan review](#) prior to construction and submit the shielding plan to MDH for review. Please visit our Shielding webpage for exemptions and specifics.
- Complete the [registration forms](#) provided by MDH and include appropriate fees.
- If you are disposing of old x-ray equipment, provide the old registration information and how it was disposed of with your new registration forms.
- X-ray equipment and any ancillary equipment must have an on-site calibration performed prior to first patient use
- X-ray staff must be trained on the use of the new equipment and this training documentation must be maintained for review
- A current technique chart must be provided near the x-ray control panel
- Additional information can be found in Service Provider updates section located in the bulletin.

## ***National Radiation Protection Professionals Week***

The MDH joins the [Health Physics Society \(HPS\)](#) and the [Conference of Radiation Control Program Directors \(CRCPD\)](#) in recognizing radiation professionals November 7 - 13, 2010, as this week has been proclaimed National Radiation Protection Professionals Week. According to the HPS website, November 7 - 13 is intended to bring attention to the significant contribution radiation protection professionals make to the nation's health, energy, industry, and defense sectors. The first week of November has been chosen each year as National Radiation Protection Professionals Week in recognition of the discovery of x-rays by Wilhelm Conrad Roentgen on November 8, 1895. In 2005, the HPS joined the CRCPD in passing a resolution proclaiming the first week in November as a week to recognize radiation protection professionals.



Chapter 4732 is available at the Minnesota Bookstore. Call 651.297.3000 or 1.800.657.3757 or order online at [www.comm.media.state.mn.us/bookstore/bookstore.asp](http://www.comm.media.state.mn.us/bookstore/bookstore.asp)

## ***Service Provider Changes***

If Service Providers have a change in address, name, employer, etc, please use the Service Provider Change of Information form on our website at [www.health.state.mn.us/xray](http://www.health.state.mn.us/xray), click on Service Providers, and fax to 651-201-4606.

## RadTown USA

RadTown USA, produced by the US EPA, is a virtual community that shows a wide variety of radiation sources as you may encounter them in everyday life. Click on anything in the interactive town, and you'll be directed to more information regarding that particular radiation issue. At each RadTown USA location you visit, you will learn about the radiation sources found there. The website has basic information about radiation, fact sheets, glossary of radiation related terms and relevant links. Visit our website for a link to RadTown USA at [www.health.state.mn.us/xray](http://www.health.state.mn.us/xray).

## Service Provider Updates

We want to thank our service providers for their continued collaboration with MDH. We would like to provide you with some helpful hints for notification of installation of x-ray equipment:

- Federal Form 2579: Helpful hints for correct equipment registration.
  1. Equipment Location: Installation location, not the delivery location
  2. Name: Facility's legal name, not the purchasers name
  3. Address: Installation address, not the delivery address
  4. If replacement, include old console serial number, manufacturer, and tube serial number for old and new tubes in Comments section of form
  5. 2579s can be sent to MDH electronically via email at [health.xray@state.mn.us](mailto:health.xray@state.mn.us)
- Be sure to distribute the correct MDH registration forms
  1. Additional Registration form: Facilities who already have x-ray equipment
  2. Initial Registration form: Facilities who have never had x-ray equipment
  3. Please refer facilities to Radiation Control's website at [www.health.state.mn.us/xray](http://www.health.state.mn.us/xray), click on Registration Forms
- Update your records to include the correct mailing address for MDH:

Minnesota Department of Health  
Radiation Control, X-ray Unit  
P.O. Box 64975  
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St. Paul, Minnesota 55164-0975

## Inspector's Corner



### Cone Beam CT

MDH is often asked about Cone Beam Computed Tomography requirements. The Cone Beam CT systems currently follow these guidelines.

- Equipment Performance Evaluations (EPE) are to be performed at intervals not to exceed 24 months
- Utilization logs are to be maintained according to [4732.0545](#)
- Retake or reject analysis are to be maintained according to [4732.0535](#)
- Manufacturer's specifications pertaining to the CT daily equipment performance measurements must be followed to assure equipment is within tolerance and maintain records according to [4732.0330](#)

### Limited Scope X-ray Results

The American Registry of Radiologic Technologists (ARRT) sends out quarterly reports to the states that participate in the ARRT Limited Scope X-ray Test. In the third quarter of this year:

- 66% of Minnesota applicants passed the Core (70% needed to pass). Nationwide, 55% passed the Core at the 70% or higher rate.
- 49-57% of Minnesota applicants passed the positioning modules. Nationwide, 44-53% passed at the 70% or higher rate.

Because the exam can be difficult, we have several educational opportunities available on our website. Please visit our X-ray Operator webpage for more information at [www.health.state.mn.us/xray](http://www.health.state.mn.us/xray).

### RSO Delegation Agreement

A Radiation Safety Officer (RSO) Agreement must be kept on file for all registered facilities where the registrant is not the RSO:

- A sample agreement is available on our website on the [Radiation Safety Officer page](#), or you may create your own
- A copy must be maintained in your facilities Quality Assurance (QA) manual
- Notify MDH of any [changes to your RSO](#)