

Service Company X-Rayport

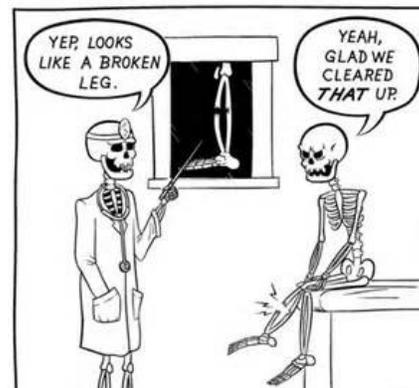
From the desk of Brian Vamvakias, Unit Leader

X-ray machines on loan from a sales or service company

Occasionally, an x-ray machine supplier/service company will “loan” an x-ray machine to a facility for evaluation or during repair. These machines must be reported to the x-ray certification unit on a 2579 or report of assembly as a new install. The facility has 90 days to have the machine inspected by a Colorado registered qualified inspector. At the end of the 90 days, the machine must either be inspected or an R-61 Disposition of Radiation Machine form completed indicating the machine is disabled or no longer at that facility. If the machine is replaced with another machine, a report of assembly must be completed for the new machine.

In any case, all non-mammography x-ray producing machines must be inspected within 90 days from the installation date. Newly installed mammography machines may not be used for patient exams at all until a physicist’s survey is completed on that unit.

All companies loaning, leasing or selling machines to facilities in Colorado must be registered with the x-ray certification unit as an x-ray service company prior to any activity in the state.



Shielding designs reviewed during machine installation

A shielding design is required to be completed prior to installation of many types of x-ray producing machines. For details about shielding design requirements, refer to the [Colorado Rules and Regulations Pertaining to Radiation Control part 6, section 6.3.2](#)

Service Company Registrant Responsibilities outlined in the Regulations state:
2.7.1 No person shall certify or declare that a radiation machine or component is ready for its intended use, until:
2.7.1.1 The shielding design has been completed as required by **6.3.2**, as documented by a comment on Form FDA 2579 or a signed and dated notification to the department.

When completing a report of assembly for an installation of a

machine that requires a shielding design, the technician or engineering shall make a note in the comments section of the 2579 or Report of Assembly that says something like: “Unit installed based on shielding design completed on (insert date) by (insert QE name).”

The X-ray Certification Unit shall be notified in some fashion that the installation service technician or engineer reviewed the shielding design and who created the shielding design. The department does not maintain files of shielding designs. Therefore, the x-ray service company must ask the facility for the shielding design to complete the install, and the qualified inspector must verify that the shielding design is on site at the facility and was followed during the machine installation.

The shielding design is required to be kept at the facility site during the time that the x-ray machine is installed at that facility.

Also in this edition:

[Get Back Issues](#)

[Page 2](#)



COLORADO
 Department of Public
 Health & Environment

Have you missed a copy of the Service Company Rayport?

If you have missed the past issues or accidentally deleted the email that brought it to you, All past issues of the Qualified Inspectors Rayport are available on the x-ray unit's website: [Service Company Rayports.](#)



January 2015



February 2015



March 2015



COLORADO

Department of Public Health & Environment

X-Ray Certification Program

4300 Cherry Creek Drive South
Denver, Colorado 80246



X-Ray Certification Unit Staff
Susan Guet
Christine Irving
Tracey Luty
Erin Woodd
Brian Vamvakias, unit leader

Contact Information
Fax: 303-691-7841

Email: cdphe_xray_gisc@state.co.us

Comments: cdphe.hmxraycomments@state.co.us

Website: www.colorado.gov/cdphe/xray

Radiation Regulations: www.colorado.gov/cdphe/radregs

