



Fact Sheet

Working with X-Ray Producing Equipment

Environmental Health and Radiation Safety oversees all X-Ray Producing Equipment at Temple University, Temple Health System (other than Fox Chase), as well as all satellite locations.

What regulations apply to X-ray Producing Equipment?

X-Ray Producing Equipment comes under the regulations of Pennsylvania Department of Environmental Protection (PADEP). EHRS maintains an inventory and updates PADEP when there are changes.

What is considered X-Ray Producing Equipment?

Diagnostic X-Ray machines used in medical settings:
CT scan, Fluoroscopy, Radiographic, and Dental units

Equipment Generating X-Rays used in laboratory settings or not directly for patient care (non-medical):

Electron Microscopes, X-ray Irradiators, Photo-Electron Spectroscopes, Diffractometers, and Cabinet Units

Others: i.e. security package x-ray units.

What am I required to do if I have X-Ray Producing Equipment?

Call EHRS to do the following:

- Add new equipment to our registration.
- Survey equipment to ensure that it meets all PADEP regulations (upon arrival of equipment, annually, following relocation of equipment, and if a major repair has been performed).
- Ensure that a [Radiation Worker Registration Form](#) is filed for all persons who will operate the X-Ray Producing Equipment.
- Provide the appropriate [Radiation Safety Training](#) for all persons who will operate the X-Ray Producing Equipment.

What does the survey of X-ray producing equipment involve?

Measuring the associated radiation produced from typical use for potential operator and staff exposure while the unit is operating and checking that each unit is compliant with applicable regulations for the specific unit type.

For additional information and/or associated requirements, please refer to the [Radiation Safety section of the EHRS website](#).

Quick Take

Contact EHRS for:

- Equipment surveys on new units and following major repairs
- Evaluating shielding requirements
- [Worker Registration](#)
- Training

EHRS is Responsible for

- Routine annual survey
- PADEP update
- Training history records

