X-ray producing devices produce ionizing radiation when energized. These devices are used at USC for diagnostic, therapeutic, and analytical purposes. They include X-ray machines, electron microscopes, CT scanners, fluoroscopes, and linear accelerators.

**DO I HAVE TO REGISTER MY X-RAY PRODUCING DEVICE?**
Yes. The California Department of Public Health - Radiologic Health Branch (CDPH-RHB) requires registration of X-ray producing devices as well as a formal program that encompasses: hazard communication, training, PM services, and shielding plans. Failure to comply may lead to stop orders, interruption of services, and imposed fines. You must also register the device with USC Radiation Safety.

**HOW DO I REGISTER MY X-RAY PRODUCING DEVICE?**
Fill out an RUA application on iStar before you purchase an X-ray producing device. Once approved, you will be issued an X-ray permit for the device.

Radiation Safety will assist researchers in registering their devices with the State. Registration of new or unregistered devices begins with a device registration email (see Radiation Devices and Registration page). Radiation Safety will follow up with the owner to solicit additional information and complete the registration process. Renewal reminders will be sent periodically.

**ARE THERE COSTS ASSOCIATED WITH REGISTRATION?**
There are State and Los Angeles County fees. State registration fees occur every two years. If a shielding plan is required for your device, fees are charged initially and whenever the conditions of the plan change. Contact radsafety@usc.edu for more information.

**ARE THERE ADDITIONAL REQUIREMENTS FOR USING RADIATION DEVICES ON HUMANS?**
Yes! All radiation devices used on humans must be operated by individuals who are licensed/certified by the State of California. Consult with Radiation Safety to review specific training and regulatory requirements associated with each device.

The use of X-ray producing devices on humans for research purposes requires an approved RUA application reviewed by the Radiation Safety Committee in addition to the Institutional Review Board (IRB) approval.

**ARE THERE ANY ADDITIONAL REQUIREMENTS FOR USING RADIATION DEVICES ON ANIMALS?**
The use of X-ray producing devices on animals for research purposes requires an approved RUA application reviewed by the Radiation Safety Committee (RSC) in addition to the Institutional Animal Care and Use Committee (IACUC) approval.

**IF I USE A NON-USC RADIATION-PRODUCING DEVICE, DO I NEED TO REGISTER IT?**
No. However, you will need to document training for the device. Radiation Safety Training will be provided by EH&S and training in operational procedures will be provided by the device supervisor with operational experience. Contact EH&S for assistance in both types of training.

**REFERENCES**
California Department of Public Health - Radiologic Health Branch
Radiologic Health Branch (RHB) Regulations per CCR Title 17