**Guidance for Disposal of X-Ray Machines at UC Irvine**

X-ray machines and any other equipment capable of producing ionizing radiation used in clinical, research, veterinary, dental, or analytical applications must be registered with the California Department of Public Health (CDPH). UC Irvine Radiation Safety Division (RSD) is responsible for maintaining the radiation-producing machine registration with the CDPH. The PI who is issued a Radiation Use Authorization (RUA) approving the use of radiation-producing machines must notify the RSD of any changes to the inventory under the RUA, such as location on campus or disposal.

Unwanted x-ray equipment can be traded in to a commercial x-ray machine assembler or vendor (perhaps as a trade-in on replacement equipment), transferred to another UCI facility, sold for parts, or disposed of as scrap. X-ray machines may also be rendered non-functional by disassembly and/or component removal such that repair and use may not be readily affected.

The Equipment Management Department is the only UCI department authorized for selling, transferring, or disposing of any surplus or inoperable x-ray equipment at UC Irvine. If the equipment is sold, a portion of the funds collected from the buyer will be transferred to the PI. If the equipment cannot be sold or transferred, disposal fees for the disposal of any hazardous waste will be passed on the PI. To schedule a pickup of your surplus x-ray equipment, contact the Equipment Management Department. Their contact information is:

*Equipment Management Surplus Pickup, (949) 824-6447*
*Peter’s Exchange - Surplus Sales, (949) 824-6100*
*19182 Jamboree Road, Irvine, CA 92697*
*Hours: Tuesdays and Thursdays 8:00 a.m. - 1:00 p.m.*

Inoperable or unwanted x-ray equipment should be removed by suitably trained and experienced individuals. Upon removal of an x-ray machine from a room or facility, all “Caution: X-Ray” signs and postings must be removed from entrances to where the x-ray machine was installed (assuming there are no other x-ray sources in the room or facility). The CDPH requires that the final disposition of an x-ray machine must be reported within 30 days of transfer or disposal of any radiation-producing machines. Upon receipt of proper documentation, the CDPH will remove the x-ray machine(s) from UC Irvine’s machine registration inventory. Proper and credible documentation must be submitted to clearly demonstrate the disposition of the x-ray machine. Continued registration is required for x-ray machines that are not used but are physically present in a facility or are in storage.

*Note: Polychlorinated biphenyl (PCB) is a chemical that was a common constituent of dielectric fluids produced before 1980. PCBs are regulated by the U.S. Environmental Protection Agency under the federal Toxic Substances Control Act (TSCA).*

X-ray machines manufactured before 1980 may contain PCBs in their power supply transformers. Before disposing of these machines, they must be tested for PCB content. It is the responsibility of the PI to have this analysis performed prior to disposal. The Equipment Management and Salvage Office or Environmental Health & Safety can collect this oil and dispose of it appropriately on a recharge basis.


*This guidance does not apply to particle accelerators.*