

How to dispose of X-RAY equipment?

There is no simple answer to this question about x-ray equipment disposal and recycling, however, a Radiation Safety Officer should be consulted before disposal. Owners are encouraged to check their owner's manual and there is some guidance in Health Canada's Safety Code 34:

Radiation Protection & Safety for Industrial X-ray Equipment

For the disposal of an x-ray machine, *the Radiation Safety Officer* shall observe the instructions provided by the manufacturer in the product manual, or contact the manufacturer for information and guidance. In a case where a manufacturer is no longer in the business of manufacturing, selling or servicing industrial x-ray equipment, the following procedures shall be followed:



- (i). the vacuum in the x-ray tube must be breached (***this should not be attempted without proper instruction***)
- (ii). The x-ray tube window should be investigated to determine whether or not it contains beryllium, and if it does, special disposal procedures must apply since beryllium presents a toxic ingestion or inhalation hazard;
- (iii). ***The transformer oil***, if this exists, must be disposed of in accordance with pertinent environmental legislation (***due to the possible presence of PCBs***)
- (iv). the lead must be recycled accordingly.

Once the above steps are followed, an x-ray machine can be recycled as scrap metal. The Foothills Regional Landfill & Resource Recovery Centre requires a certificate from a certified Radiation Safety Officer that a machine has been properly decommissioned, before we can accept an x-ray machine for recycling.

To properly dispose of x-ray equipment, contact Dental FixRX:

Dental Fix RX – AB

#301, 2949 – 17 Ave. SE

Calgary Ab. T2A 0P7

587-577-8056

If you would like to have your location added or removed from this list, please contact us here: [http://
www.foothillslrrc.com/contact/](http://www.foothillslrrc.com/contact/)