

## RADIATION PROTECTION, CCMB

[CCMBMPX-rayCompliance@cancercare.mb.ca](mailto:CCMBMPX-rayCompliance@cancercare.mb.ca)

### Disposal of X-ray Equipment

Manitoba Regulation 341/88R, an X-ray Safety Regulation under the Public Health Act 12(4), requires the owner of x-ray equipment to notify Radiation Protection, CCMB, within 30 days regarding particulars related to removal and disposal of x-ray equipment.

When disposed, x-ray equipment must be rendered unusable (i.e., cables that power the equipment and other electrical connections should be detached) to ensure the unit is inoperable.

An assessment must be made to determine if any of the x-ray equipment components contain hazardous materials. For example, the x-ray tube head may contain oil that has polychlorinated biphenyls (PCB) also known as chlorobiphenyls. This is a known carcinogen. If the x-ray tube transformer and capacitors were manufactured before 1979, an analysis of the oil should be tested for PCB content.

In addition, the x-ray tube housing is lead encased and is considered hazardous waste according to the Toxic Substances List of the Canadian Environmental Protection Act: [Canadian Environmental Protection Act](#) Hazardous waste must be disposed with licensed hazardous waste carriers which may be found: [Manitoba Hazardous Waste](#) under *Carriers: Manitoba Licensed Hazardous Waste Carriers*

Electronic components of the control console and/or ancillary equipment contain materials which can be recycled at an approved e-waste depot which may be found: [Recycle my Electronics Manitoba](#).

#### Contact us:

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