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Disposal of X-Ray Equipment

Rule .0208 Prior Notification of Transfer (a) Persons registered pursuant to Rule .0203 of this Section shall notify the agency in writing prior to transfer of a registered radiation machine to another person required to be registered pursuant to Rule .0203 (a) of this Section. This rule does not prohibit transfer without prior notification to sales and service companies registered pursuant to Rule .0205 of this Section

Rule .0209 Report of Changes
Any registrant shall notify the agency in writing when any change will render the information contained in the application for registration or notice of registration no longer accurate.

North Carolina State regulations require that the agency must be notified within 30 days of disposal of x-ray generating equipment.

When x-ray equipment or its components possess no further value disposal is the best options.

Documentation must include:

- ❖ Completed X-Ray Disposition Form.
- ❖ Documentation of equipment location, if sold, to include name, address and phone number to whom it was sold.
- ❖ Documentation of disposal

All copies of documentation pertinent to the disposal of each x-ray unit must be forwarded to the State of North Carolina Radiation Protection Section

- ❖ Corrected Registration Form.

Dispose of the Equipment

There are several components of an x-ray machine that require special considerations.

- ❖ X-ray tube oil may contain polychlorinated Biphenyls (PCBs) and a determination should be made prior to disposal.
- ❖ Transformers are found in some older machines, which may also contain PCBs and require special handling, determination should be made prior to disposal.

What are PCBs?

PCBs are mixtures of chemicals that form clear to yellow, oily liquids, or mixtures that form white, crystalline (sand-like) solids and hard resins. They are used in insulation for electric cables and wires in the production of electric condensers, as additives for extreme pressure lubricants, and as a coating in foundry use.

- ❖ Housings are generally made of lead. A hazardous waste determination should be made prior to disposal.

For Disposal you must:

Ensure equipment does not contain hazardous oils.

Render the x-ray head inoperable

Remove power source

Follow procedure for disposal of Bulk waste.

Please, do not smash the x-ray tube. The x-ray tube is under vacuum and you may be injured by glass fragments.

The State of North Carolina does not specifically address regulatory requirements regarding PCBs. The Federal Environmental Protection Agency (EPA) help line regarding PCBs is (202) 554-1404.

Visit our website for a list of companies that may be able to assist you with disposal of x-ray equipment.

www.ncradiation.net