



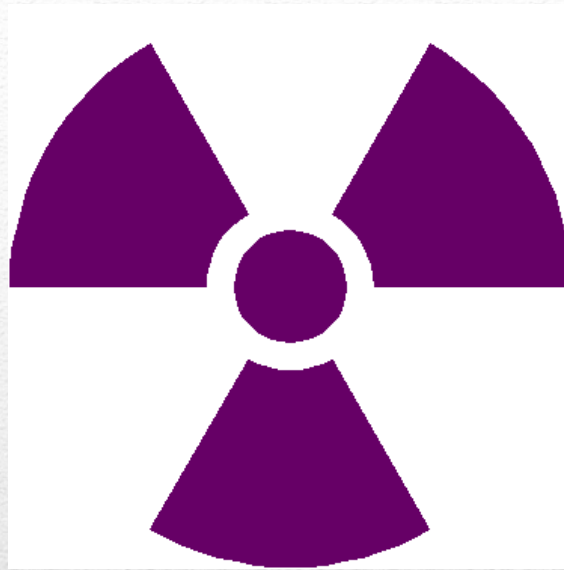
Radiation Postings and Labels

Radiation Safety Training

Module 8

- State regulations require that any area containing radioactive materials and/or radiation producing machines be properly identified.
- Each lab storing or using radioactive materials will be posted by RSO or under direction of RSO in conformity with 902 KAR 100:019, Section 24.
- The type of posting will depend on radiation levels present and/or the quantity of radioactive material present.

Radiation Postings



The trefoil is the standard symbol for radiation. It must be purple, magenta, or black, on a yellow background.

The Radiation Symbol



Possible dose rates greater than 5 mrem/hr at distance of 30 cm from source



Possible dose rates greater than 100 mrem/hr at distance of 30 cm from source

Radiation Area Posting Requirements



Posted in an area or room in which there is used or stored an amount of licensed or registered material exceeding ten (10) times the quantity of the material specified in 902 KAR 100:030

Radioactive Materials Posting Requirements

IN CASE OF EMERGENCY CONTACT

**PRIMARY RESPONSIBLE
INVESTIGATOR**

*****_******

**Melinda Whitfield, RSO
Office 282-2044
Cell 791-3720**

**WKU POLICE
745-2548**

An emergency contact sign will typically appear on or near the doorway at the entrance of a radioactive materials laboratory. The first name will be the primary researcher in the lab, the second name will be the RSO, and the third contact will be the WKU Police.

Emergency Contact Signs

- Other posting that are required by state regulations include:
 - Notice To Employees (KR-441)
 - 902 KAR 100:019. Standards for protection against radiation.
 - 902 KAR 100:165. Notices, reports, and instructions to employees.
 - Current license & amendments
 - Current radiation producing machine registration
 - Operating procedures for work under license or registration
 - Any correspondence between the Cabinet and WKU that requires posting

Other Postings

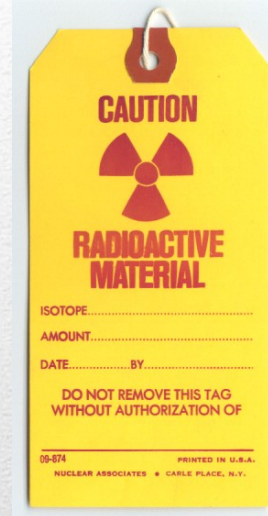
- If it is not practical to post one of the items appearing in the previous slide, the following posting can be used instead.
 - The following documents are on file with the RSO (282-2044) and can be viewed upon request:
 1. 902 KAR 100:019 – Standards for Protection against Radiation (<http://www.lrc.state.ky.us/kar/TITLE902.htm>)
 2. 902 KAR 100:165 – Notices, Reports and Instructions to Employees ([http://www.lrc.state.ky.us/kar/TITLE 902.htm](http://www.lrc.state.ky.us/kar/TITLE%20902.htm))
 3. The WKU Radioactive Materials License, Certificate of Registration, conditions or documents incorporated into the license by reference, and amendments to the license;
 4. If one exists, a notice of violation involving radiological working conditions, proposed imposition of civil penalty, or order issued as authorized by 302 KAR 100:170, and responses from the licensee or registrant.

Other Postings (cont'd)

- Postings, regulations, licenses and license conditions must be:
 - Placed conspicuously so that observable by radiation worker on way to or from radiation work area
 - Replace if defaced or altered
 - Posting to be done or as directed by RSO

Locations for Postings, Regulations, License, and License Conditions

- Container of licensed or registered material shall bear a durable, clearly visible radiation symbol and words “CAUTION RADIOACTIVE MATERIAL”
- Label shall include
 - Radionuclide
 - Estimate of activity
 - Date of estimated activity
- Labeling exemptions in 902 KAR 100:019 Section 27



Container Labels